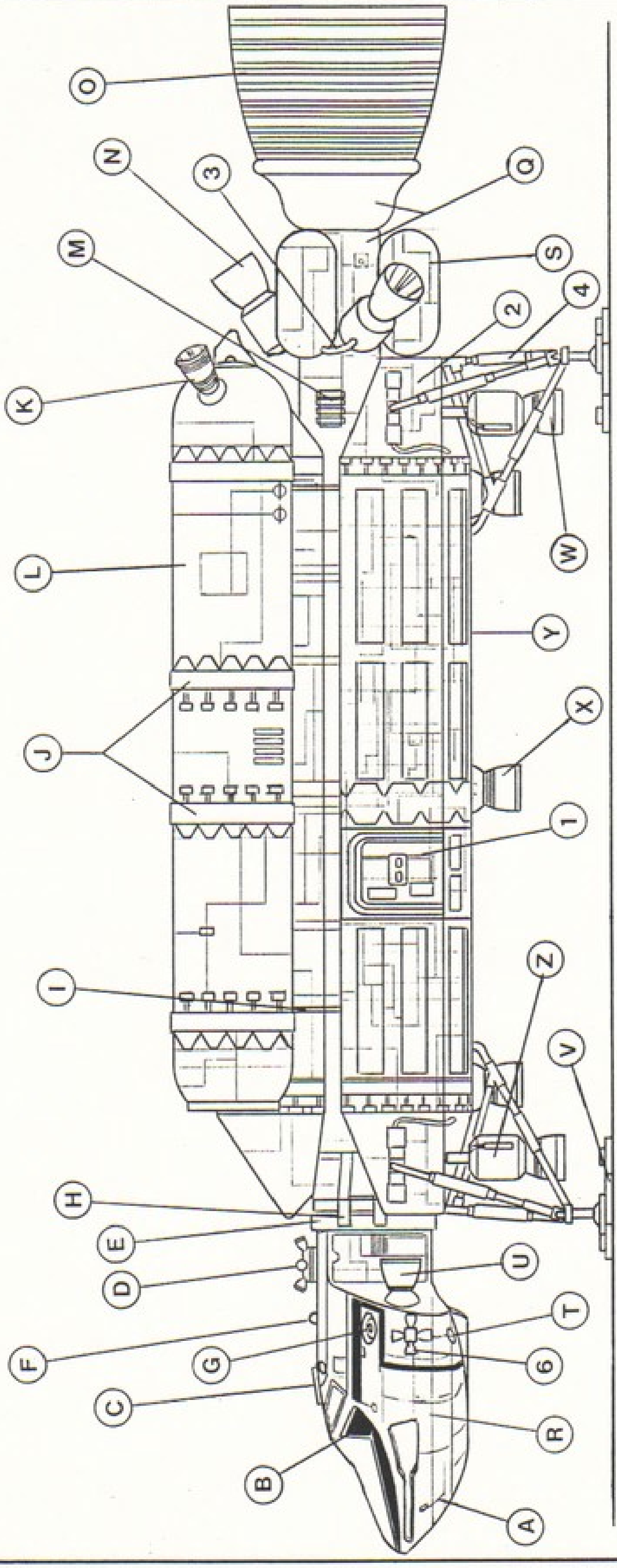
Spacecraft Support Craft - 1028



SWIFT

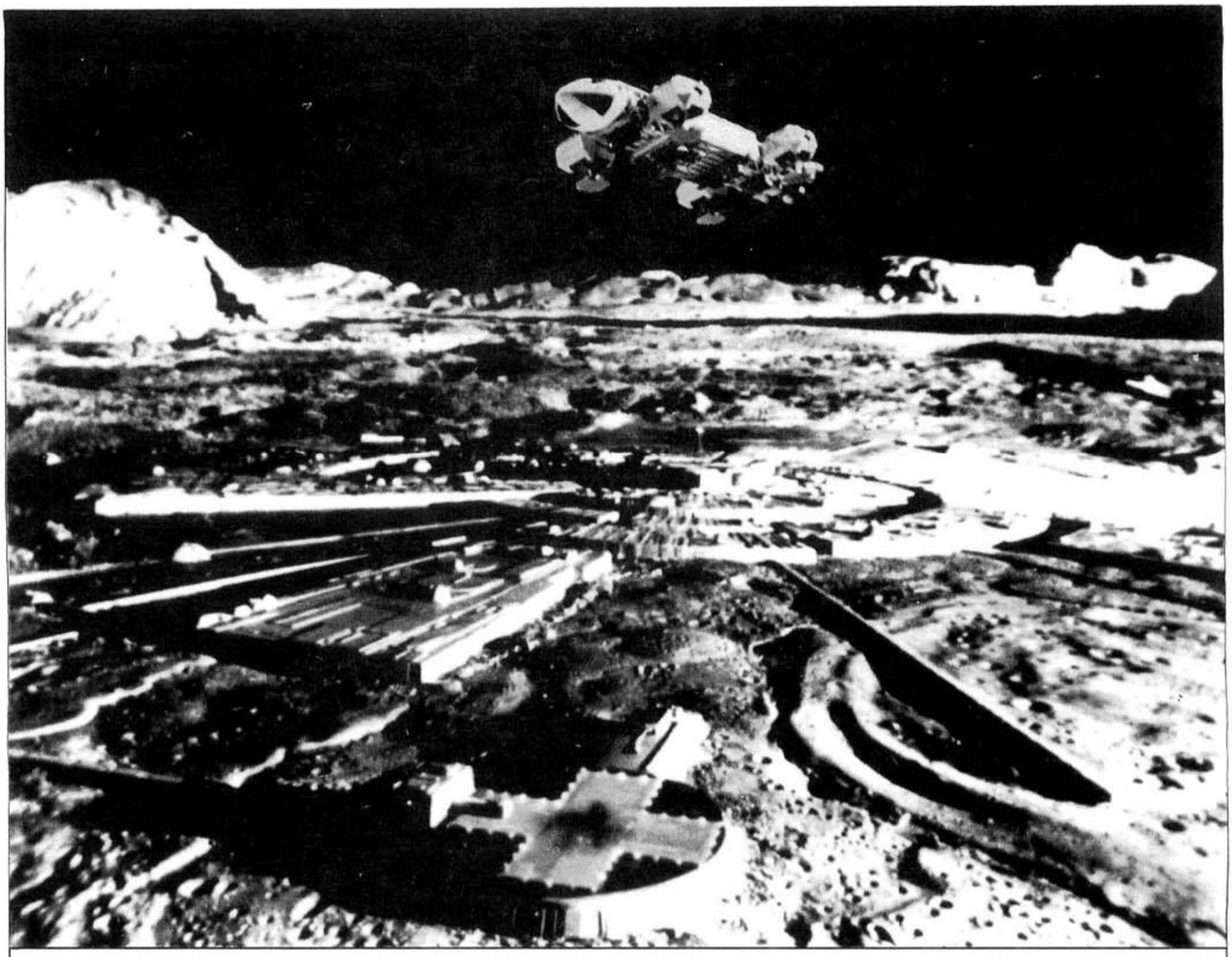
Moonbase Alpha Technical Notebook

ALPHA

MOONBASE

Technical Notebook

OFFICIAL EDITION



MOONBASE ALPHA
TECHNICAL NOTEBOOK

Official Edition

Compiled and Written by
David Hirsch

Technical Drawings by
Geoffrey Mandel & David McConnell

Costume Art by
Anthony Fredrickson

Tech Manual Typesetting by
Rita Eisenstein
Layout by
Howard Cruse & Laura O'Brien

Produced under the supervision of the staff of STARLOG Magazine with special contributions by **Kerry O'Quinn** and **Norman Jacobs** (publishers), **Howard Zimmerman** (editor), **Richard Meyers** (editorial assistant) and **David Hutchison** (production manager).

Special thanks outside the STARLOG office must go to Robert Mandell (ITC), John Spangler (Hanna-Barbera), Gerry Anderson (executive producer of **Space:1999**), Brian Johnson (special effects, **Space: 1999**), Henry Mandell (ITC), Nick Tate (Alan Carter), Keith Wilson (production designer, **Space: 1999**), and the outstanding cast and crew who, for two exciting years, thrilled us with their creations.

First Printing: October 1977

STARLOG Magazine
O'Quinn Studios, Inc.
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Introduction

At STARLOG, we have discovered that one of the most consistent characteristics of science-fiction fans is their desire for accurate technical details. It has become apparent that it isn't enough for viewers to be thrilled out of their seats with intergalactic adventures and exotic alien characters in equally exotic settings and costumes. No, SF, fans want to probe deeper . . . to know the construction and functions of the Stun Gun . . . to see blueprints of rooms that never even appeared on screen. We understand this desire because we, at STARLOG, are science-fiction fans, too.

What you hold in your hands is the basic first step of an exciting and informative publication. As you can see by leafing through, this is an introductory exploration of Moonbase Alpha, the center of action for the popular international television series, "SPACE: 1999." Although the program lasted only two years, the behind-the-scenes planning and designing created a fictional universe of such rich detail that the space adventures of John Koenig and his brave companions have all the impact and fascination of a true historical drama recorded on a runaway Moon that is still out there . . . somewhere . . . spinning endlessly from one crisis to another.

48 telecasts from the **first** two years (as we will think of it) of "SPACE:1999" have been gathered into a complete episode guide section, headed with a timeline on the crucial events in the series. For additional reference, the Tech Notebook includes profiles of the most popular main characters. Most important—the Notebook includes complete layouts of Moonbase Alpha and the regulation hardware and uniforms used in "SPACE:1999."

The basic Notebook is by no means exhaustive. In the coming months we will be developing and releasing additional Notebook sections, blueprint packets, more detailed information, etc. The end result will be the most spectacular, most informative, most complete reference guide ever compiled on a TV series. In one convenient binder you will have a technical manual, a blueprint pack, and a concordance.

One of the reasons for issuing future supplements is that the task of compiling everything imaginable all at once is impossible. Our researchers, spearheaded by David Hirsch, have worked from materials provided by ATV, ITC, and Gerry Anderson Productions . . . photos, films, art work, scripts, sketches . . . everything we could get our hands on. But the task of converting this material into the proper format for a Technical Notebook requires independent decisions on designs and data that were not necessary for the original TV production. This is a tremendously time-consuming process if it is done accurately. and it **will be** done accurately!

We hope you enjoy the results as your Moonbase Alpha Technical Notebook grows, expands and "lives" . . . just as we like to think of Koenig, Helena, Maya, Alan, Tony, and all the rest, still alive . . . battling and surviving the destructive forces of the galaxy as they continue their desperate search for a new home planet . . . somewhere in space.

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Official First Edition Index Released 10/77

FOREWORD

First off, should any of the crew at STARLOG MAGAZINE get ahold of these prints, I would like to state that I DID NOT create them to infringe upon their rights or any other SPACE:1999 copyright holders. These prints were drawn by a devoted fan of SPACE:1999, not for making a profit, but to share with other fans of the show.

It has been 10 years since the ALPHA TECHNICAL NOTEBOOK was published, and if you can find a copy of it for sale somewhere out there I'd say it was your lucky day. 10 years have come and gone and I feel safe in assuming that the release of any blueprint package from STARLOG has long been abandoned. Basically because the technical notebook was not as big a success as they had hoped it would be. And with the release of a few select episodes put together on video tape, with the unbearable introduction and ending notes by SYBIL DANNING, (Give me a break! Who is this stupid bitch anyways?!!) it seems clear that anyone holding the rights to the show aren't taking it seriously and don't give a damn. Which is a shame for such a quality product!

Since I have been fairly active in SPACE:1999 fandom I have met many fans of the show, and have made many lasting friendships. And out of this crazy bunch of people there has been an ever growing intrest over the years in obtaining new technical information on the universe of SPACE:1999.

So, I set out to satisfy these hungry minds. Many fans do so by writing stories, continuing the adventures of the men and women of MOONBASE ALPHA. And since my story writing has not been perfected yet, the only other thing I have to offer is my artistic ability. And these blueprints are the result.

A task which by no means was easy! I know what the boys at STARLOG went through to create their notebook. And there were several people on that project. I am but one person! They deserve a big applause for their efforts, even though some of their notebook information is incorrect. This is what happens when you are with a large company and are pushed to meet a deadline.

I am not a large company, therefore I have no deadlines to meet. This gives me pleanty of time to research and draw the prints as accurately as possible. Working from video tapes, countless photographs, books, and my imagination, (Which went wild in designing the RECREATION AREA around the SOLARIUM.) hundreds of hours have been spent researching and drawing these prints, which if aren't %100 accurate, they're atleast %90. The blueprints of the various rooms are the most accurate and were the easiest to draw. Every wall on ALPHA is sectioned into concaved units and "pieced" together. On a certain set, if you count how many wall sections there are, you get a fairly accurate drawing when put on paper.

At times I thought I was going to pull my hair out if I saw Helena come through that door one more time, just so I could figure out the layout of the particular set I was drawing. There were times when I wondered if it was really all worth the trouble, when I could be out with friends instead of getting bug-eyed watching videos all night. Well I can say, yes it was worth it. If anything I satisfied my hunger for more info on MOONBASE ALPHA. And if just one other person finds joy and excitement in obtaining this material I have created, then it was well worth my time, for I have done my part to help keep SPACE:1999 alive in the heart and mind of someone else.

Keith Young

SPECIAL THANKS are in order to: KERRY O'QUINN/NORMAN JACOBS/ HOWARD ZIMMERMAN/RICHARD MEYERS/DAVID HUTCHISON/HOWARD CRUSE/LAURA O'BRIEN/GEOFFREY MANDEL/DAVID McCONNEL/and DAVID HIRSCH. - The ORIGINAL STARLOG CREW who put together the ALPHA TECHNICAL NOTEBOOK. For with using their notebook as a guide, I was able to continue on where they left off.

To GERRY ANDERSON and SYLVIA ANDERSON for creating this fantastic world of SPACE:1999

And finally to the Stars and Crew who brought this world to life on the screen.

THE EPISODES IN WHICH THE PRINTS APPEARED:

ALPHA-1018 "BREAKAWAY"
ALPHA-1019 "MISSING LINK" (UNIT 5) "ANOTHER TIME ANOTHER PLACE" (UNIT 6)
ALPHA-1020 "MATTER OF LIFE AND DEATH"
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ALPHA-1025 "BLACK SUN" & "ALPHA CHILD"
ALPHA-1027 KEITH YOUNG DESIGN
ALPHA-1028 "FORCE OF LIFE" & "ALPHA CHILD"
ALPHA-1029 " "
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ALFHA-1032 "ALL OF YEAR 1"
ALPHA-1033 "FORCE OF LIFE" (JUST SOLARIUM)
ALPHA-1034 KEITH YOUNG DESIGN
HARDWARE-2012 "MATTER OF LIFE AND DEATH"
HARDWARE-2013 "MATTER OF LIFE AND DEATH"

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Liquid Purification Analyzer	Survey Equipment-2012 to 2014

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Standard Jackets-Maya	Executive Officer-3010
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SERIES 3000 UNIFORMS

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Carter, Alan	Profile-6004
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Kano, David	Profile-6006
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SERIES 8000

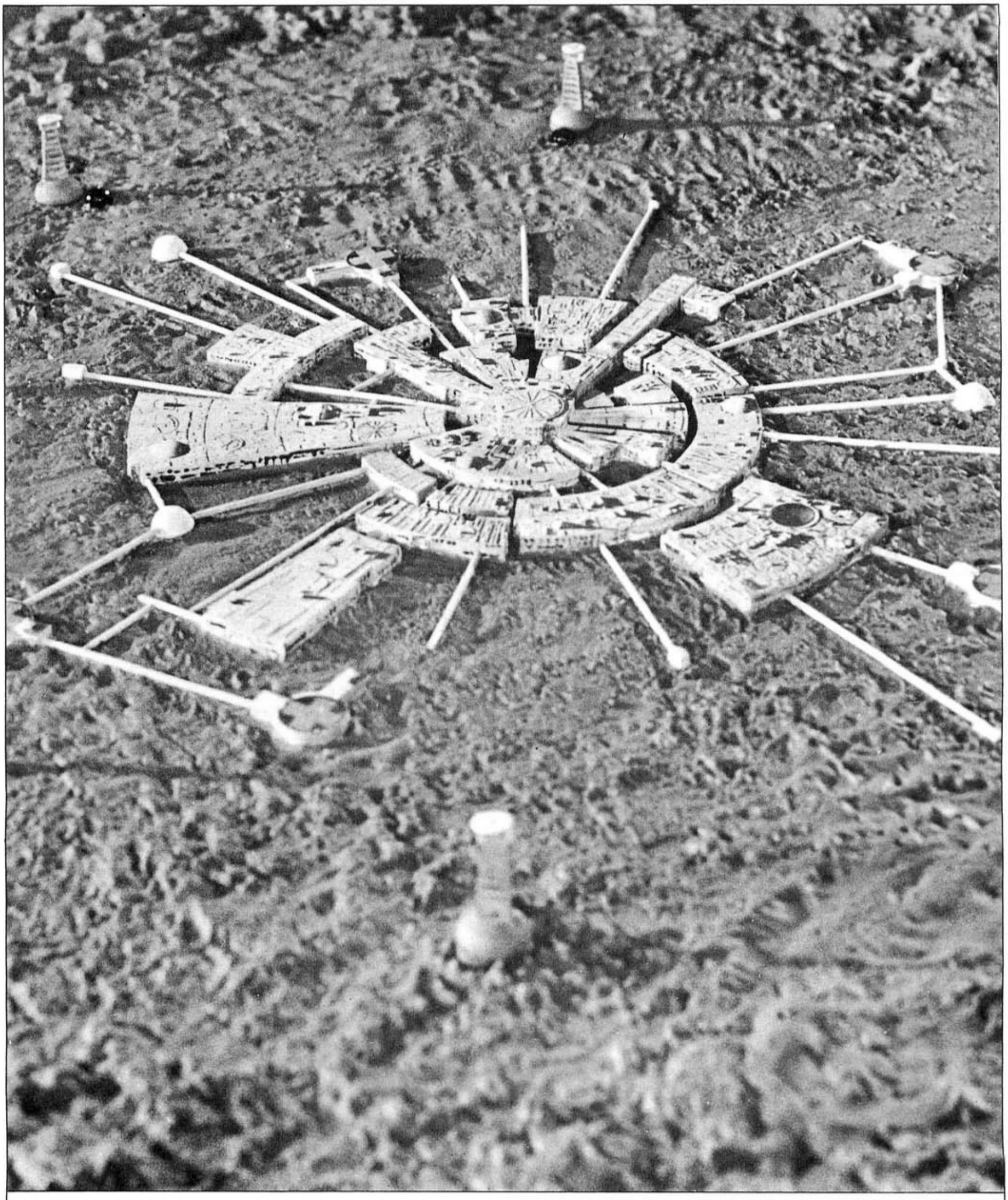
SPACE:1999 EPISODE GUIDE

First Season in Production Order — Synopses-8000 to 8012
Second Season in Production Order — Synopses-8013 to 8024

Official First Edition Index Released 10/77

UNOFFICIAL THIRD EDITION INDEX RELEASED 10/87

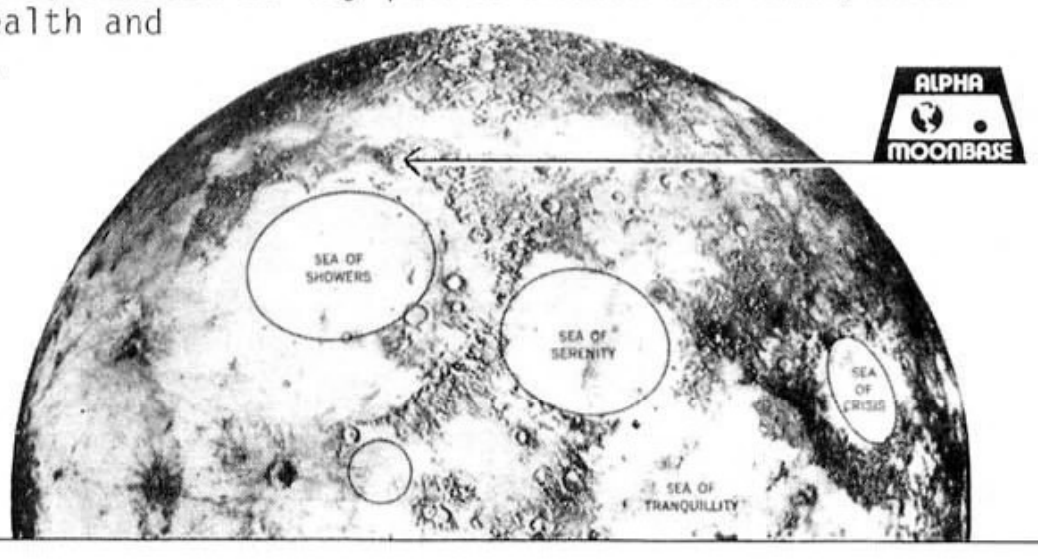
Series 1000

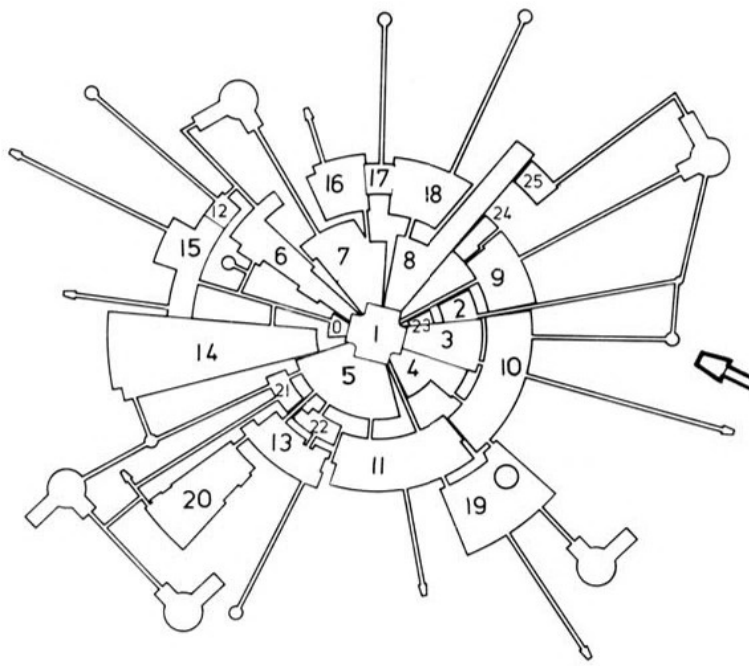


HISTORY & STRUCTURES

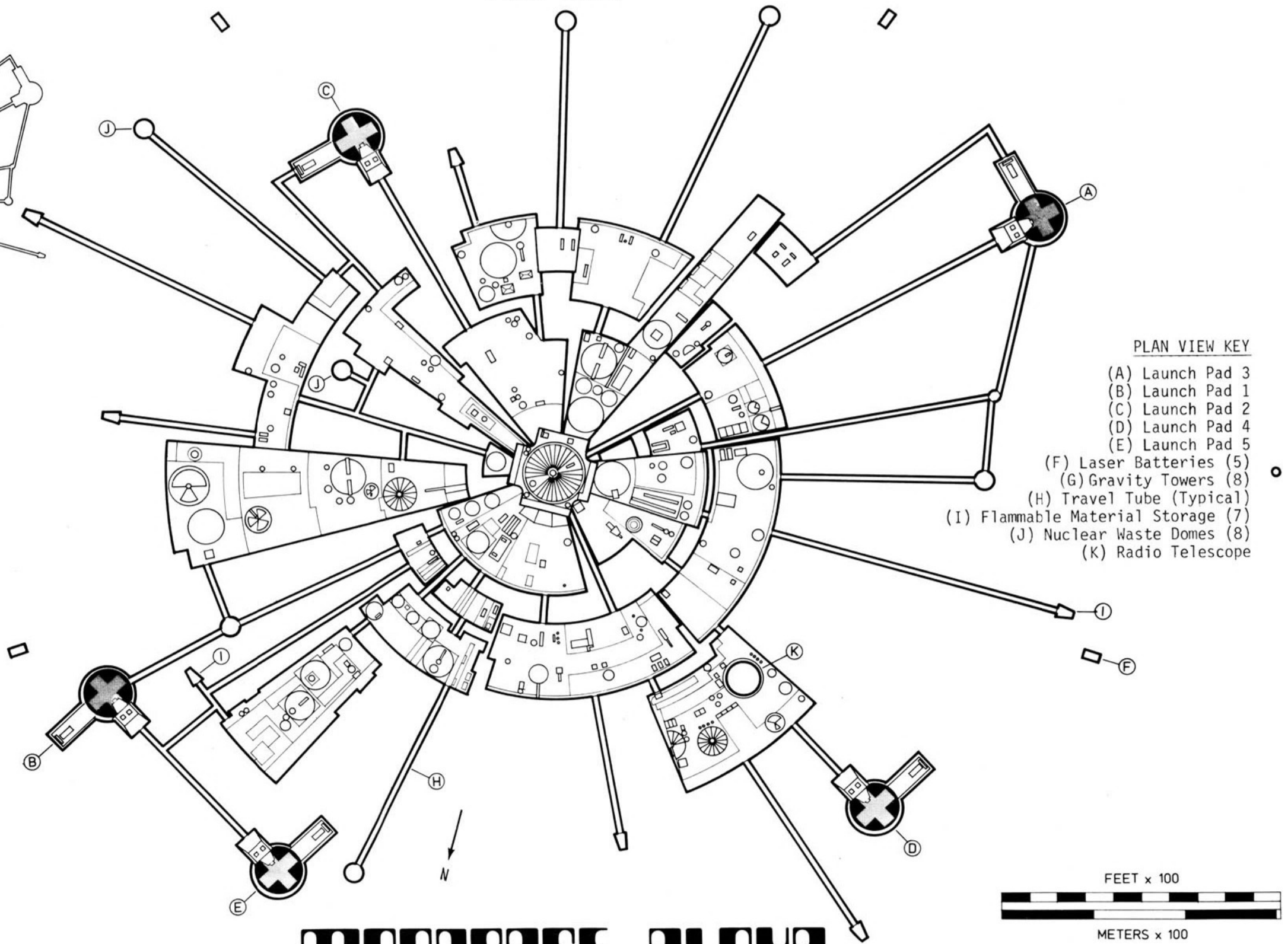
MOONBASE ALPHA: A BRIEF HISTORY

Moonbase Alpha is perhaps the greatest peace-time achievement in the history of mankind. If, at some point, the abandoned Moonbase is found and explored by a team of alien archeologists, they will have an example of the finest work of the human race available for study. This small, self-contained world is filled with the latest advancements in the fields of Engineering, Architecture, Astronomy, Mass Transportation, Physics, and the Arts. Located in the crater Plato, just above the Sea of Showers on what was once called the "nearside of the Moon," Alpha is a marvel of modern engineering. Constructed out of quarried rock and ores, Moonbase is 4 kilometers (2½ miles) in diameter and extends up to 1 kilometer (.6 miles) in areas below the lunar surface. The operation of Moonbase is controlled from Main Mission Tower, located at the hub of the wheel-shaped base. In emergency situations, Moonbase can be operated from the Command Center, located directly beneath Main Mission on Alpha's lowest construction level. Originally, the base was designed to serve as both a deep space exploration station and a monitoring station for the nuclear waste areas on the Moon's farside. Construction began on the 3rd of February, 1983, but was briefly halted during the 1987 thermonuclear war. However, the war created a worldwide recognition of the potential for global disaster, dramatizing the need for mankind to work together on this great project. National barriers were dropped and information on the latest scientific and technological advancements, once closely guarded, now flowed freely. The men and women who designed Moonbase Alpha planned it to be totally self-sustaining. Power is generated through nuclear reactors and the accumulation of solar energy. The Technical Section is equipped with the tools for handling any repair or construction job--from replacing a washer to rebuilding a damaged Eagle Transporter. Medical Section sees to the Health and well-being of all Alphans, making continual checkups on all personnel. Every man and woman on Alpha is of exceptional mental and physical status. The average person has attained a PHD or an equivalent scholastic degree in some field of research. Some hold more than one doctorate in related fields. Applications for a position on Alpha are accepted from all parts of the globe, but must be accompanied by recommendations from four instructors in the applicant's chosen field. If the Lunar Commission Review board accepts the application, the applicant must undergo two years of Earth and space-based training. An average tour of duty is six months. Though a person may reapply to stay on for another tour, the individual must pass a strict examination to return. Moonbase's master computer continually monitors the life functions of everyone on Alpha through individually worn, watch-like sensors. Security sensors, located at key points around the base, also serve to protect the health and welfare of all Alphans.





PLAN VIEW



PLAN VIEW KEY

(A) Launch Pad 3
(B) Launch Pad 1
(C) Launch Pad 2
(D) Launch Pad 4
(E) Launch Pad 5
(F) Laser Batteries (5)
(G) Gravity Towers (8)
(H) Travel Tube (Typical)
(I) Flammable Material Storage (7)
(J) Nuclear Waste Domes (8)
(K) Radio Telescope

BUILDING I.D. KEY

(0) Main Mission Computer Annex
(1) Main Mission Command Tower
(2) Weapons Stores
(3) Chemical Labs
(4) Weapons Section
(5) Computer Section
(6) Medical Center
(7) Astrophysics Labs
(8) Technical Section
(9) Technical Experimentation Labs
(10) Geological Labs
(11) Accomodation Unit
(12) Fuel Storage (Non-Flammable)
(13) Nuclear Generating Facility 3
(14) Recreation and Dining Complex
(15) Hydroponics Farms
(16) Nuclear Generating Facility 1
(17) Life Support Equipment Stores
(18) Life Support Systems Building
(19) Observatory
(20) Maintenance Building
(21) Nuclear Generating Facility 2
(22) Deep Space Tracking Station
(23) Chemical Stores (Non-Flammable)
(24) Technical Stores
(25) Alien Life Experimentation Unit

MOONBASE ALPHA

FEET x 100

METERS x 100

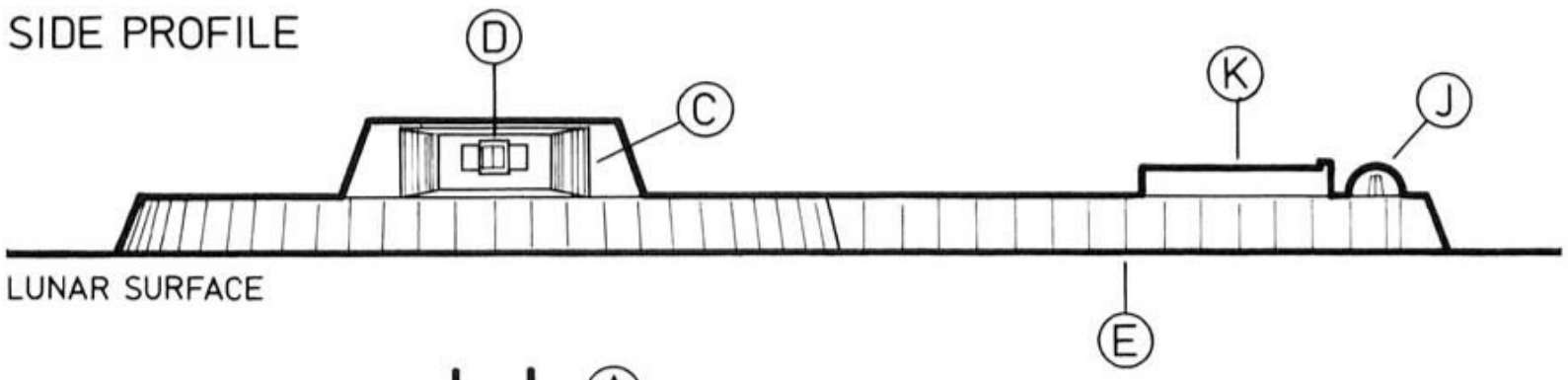
1:4572 scale

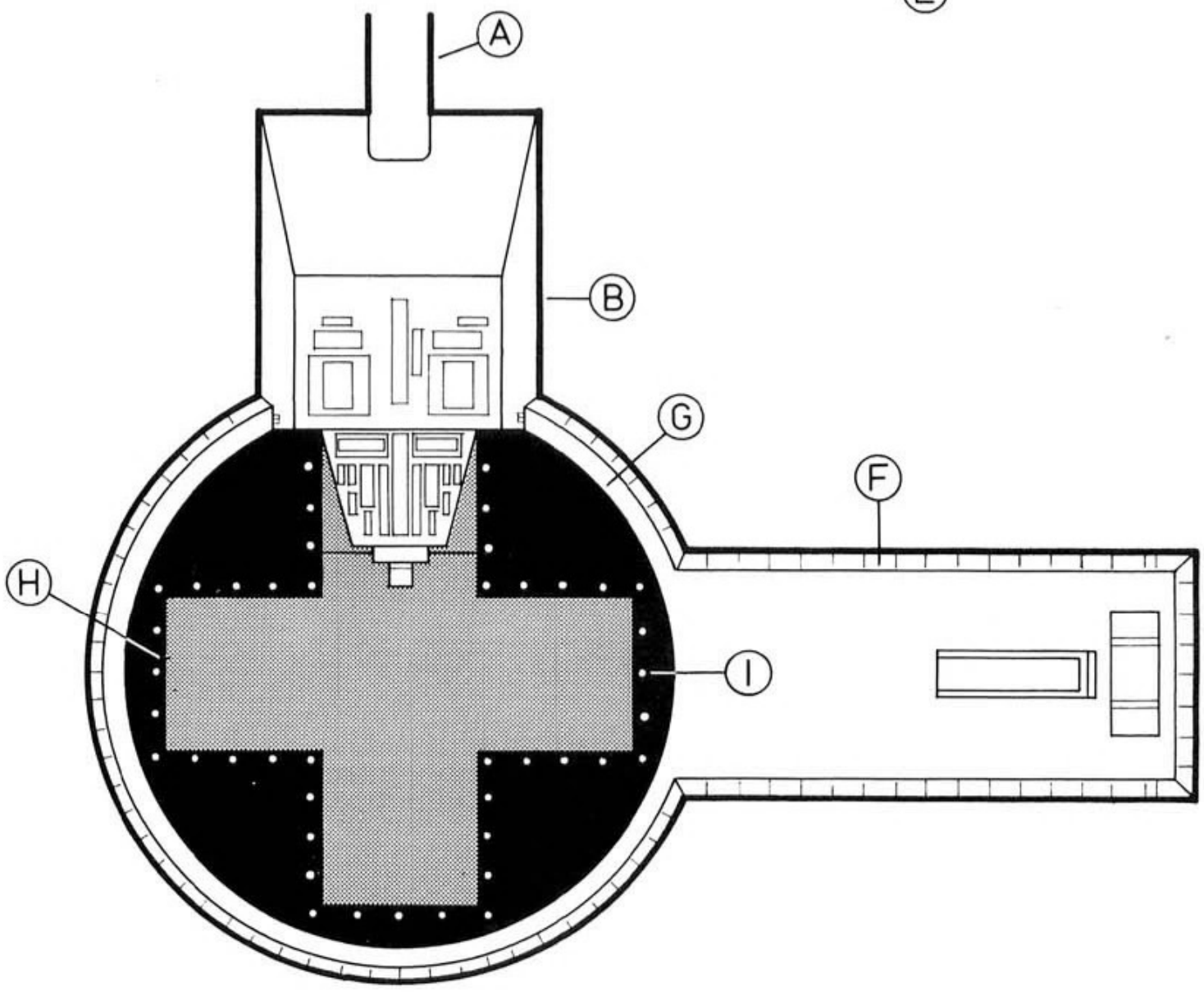
Location: Crater Plato ($+52^{o}$ -10^{o})
Compliment: 320 persons (maximum Capacity)
Number of Eagle Spacecraft: 40
Number of Moon Buggies: 25

LAUNCH PAD

EXTERNAL VIEWS

SIDE PROFILE





TOP PLAN

For KEY see ALPHA - 1008

FEET x 10

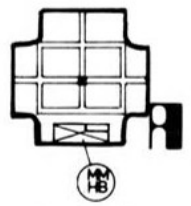
METERS x 10

1:762 scale

MAIN MISSION TOWER PLAN

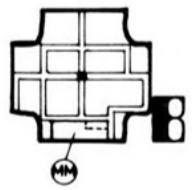
Scanner Equipment and Tower Ventilation Systems

(MMHB) Main Mission High Bay

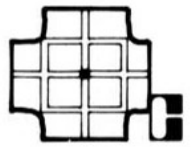


Moonbase Command Level

(MM) Main Mission



Moonbase Security Center



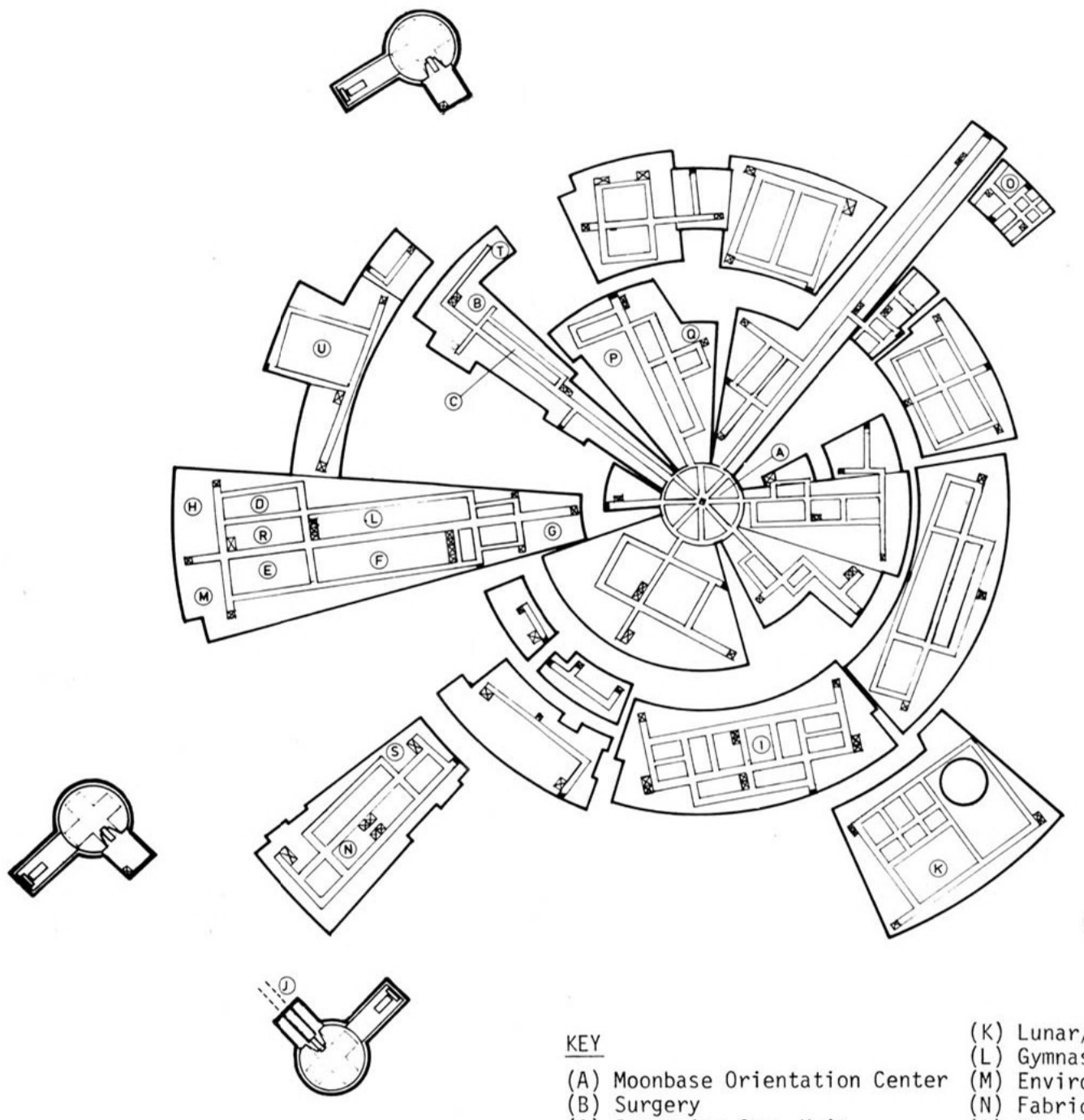
Tower Circuit-Breaker and Switching Room Level

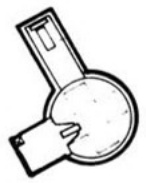
Emergency Generating Station

Tower Reception Center

MAIN MISSION TOWER is the tallest structure. The Tower is 10 stories tall with 8 stories above gound. Within its walls are the majority of Moonbase Command facilities.

LEVEL G PLAN





LEVEL G is the highest aboveground level of Moonbase Alpha. It contains a general sampling of all Moonbase services.

⊠ Elevator

FEET x 100

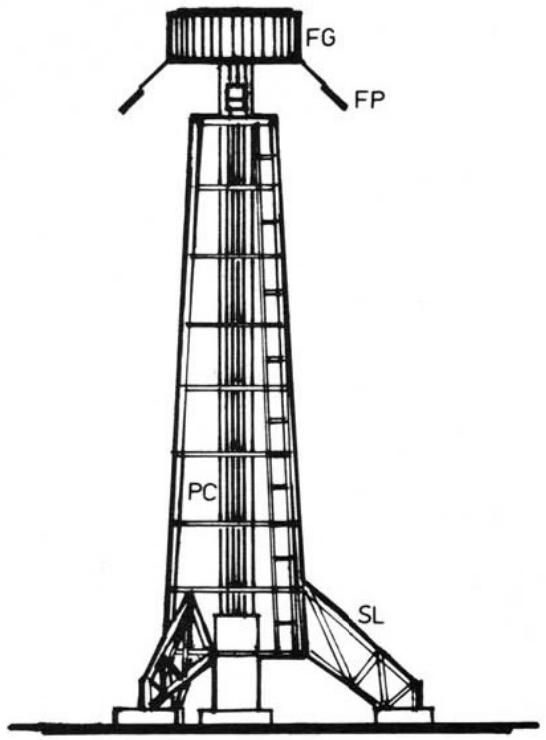
METERS x 100

1:4572 scale

KEY

(A) Moonbase Orientation Center
(B) Surgery
(C) Intensive Care Unit
(D) Bowling Alley
(E) Pool
(F) Performing Arts Theatre
(G) Cinema
(H) Solarium
(I) Single Officer Quarters
(J) Travel Tube Connection to Boarding Tube
(K) Lunar/Space Research Center
(L) Gymnasium
(M) Enviromental Habitat
(N) Fabrication Facilities
(O) Cosmology Section
(P) Energy Study Center
(Q) Solar Activity Study Center
(R) Library Lounge
(S) Laundry
(T) Medical Officer's Lab and Office
(U) Hydroponic Experimentation Labs

GRAVITY TOWER

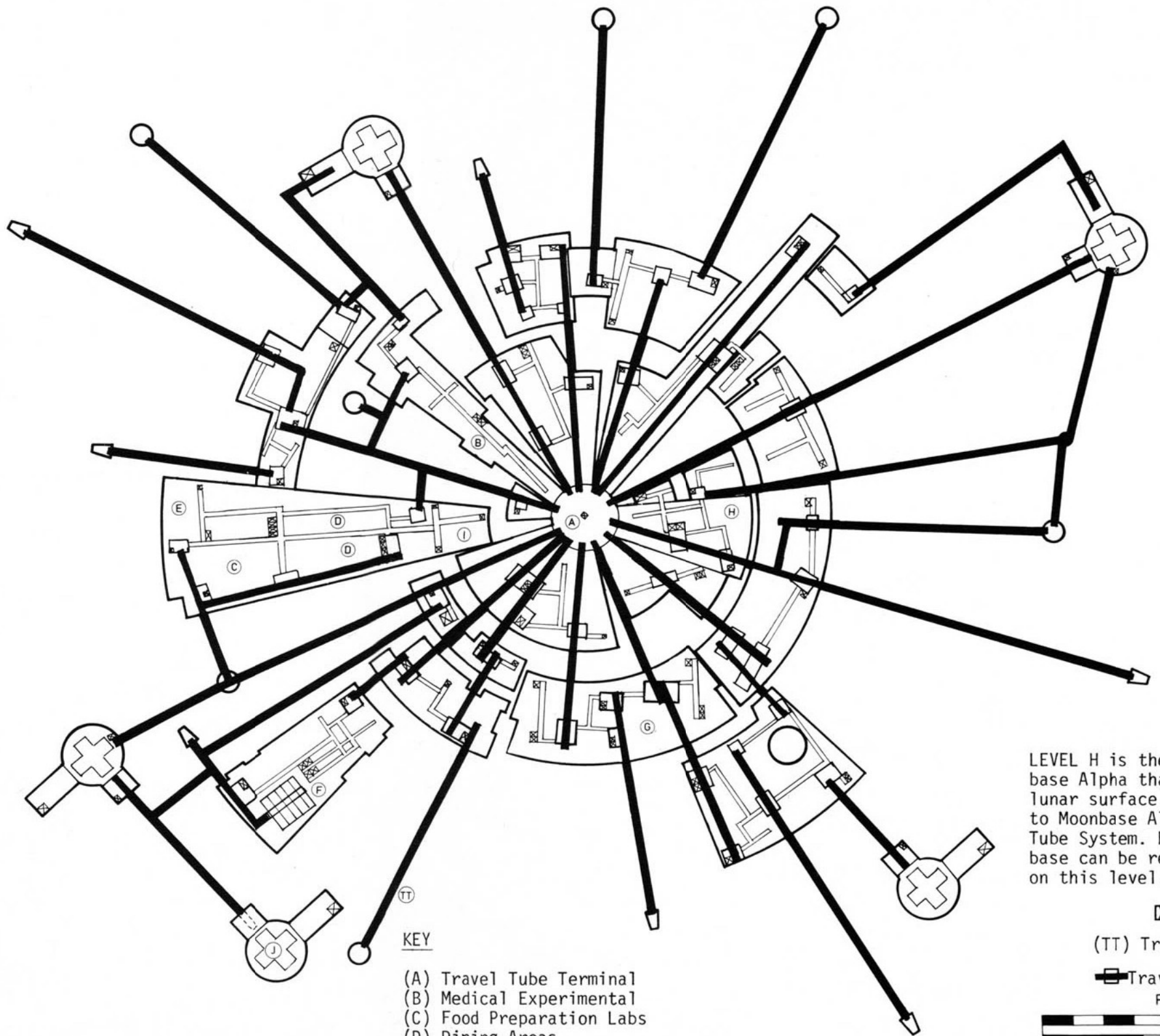


The GRAVITY TOWER generates a magnetic field that boosts the Moon's gravitational pull with the aid of special equipment within Moonbase Alpha.

KEY

(FG) Force Field Generator
(FP) Force Field Projectors (4)
(SL) Support Leg (Tripod)
(PC) Power Cables (3)

LEVEL H



KEY

(A) Travel Tube Terminal
(B) Medical Experimental
(C) Food Preparation Labs
(D) Dining Areas
(E) Storage Facility
(F) Travel Tube Repair Depot
(G) Double and Triple Quarters
(H) Bio/Chem Labs
(I) Chapel
(J) Launch Pad Lift Shaft

LEVEL H is the section of Moonbase Alpha that rests on the lunar surface. It provides access to Moonbase Alpha's major Travel Tube System. Every segment of the base can be reached by the services on this level.

⊠ Elevator

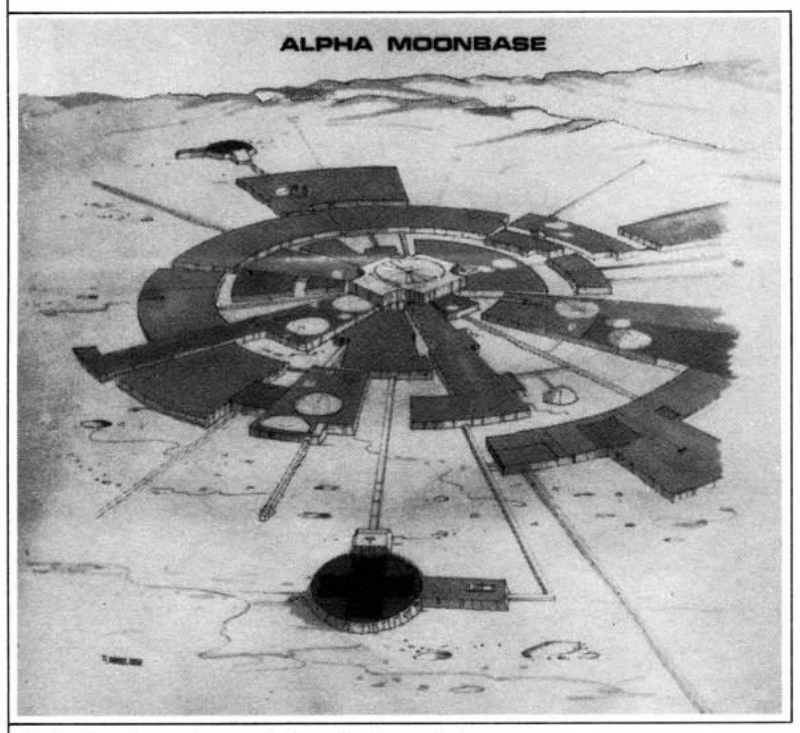
(TT) Travel Tube (Typical)

Travel Tube Terminal

FEET x 100

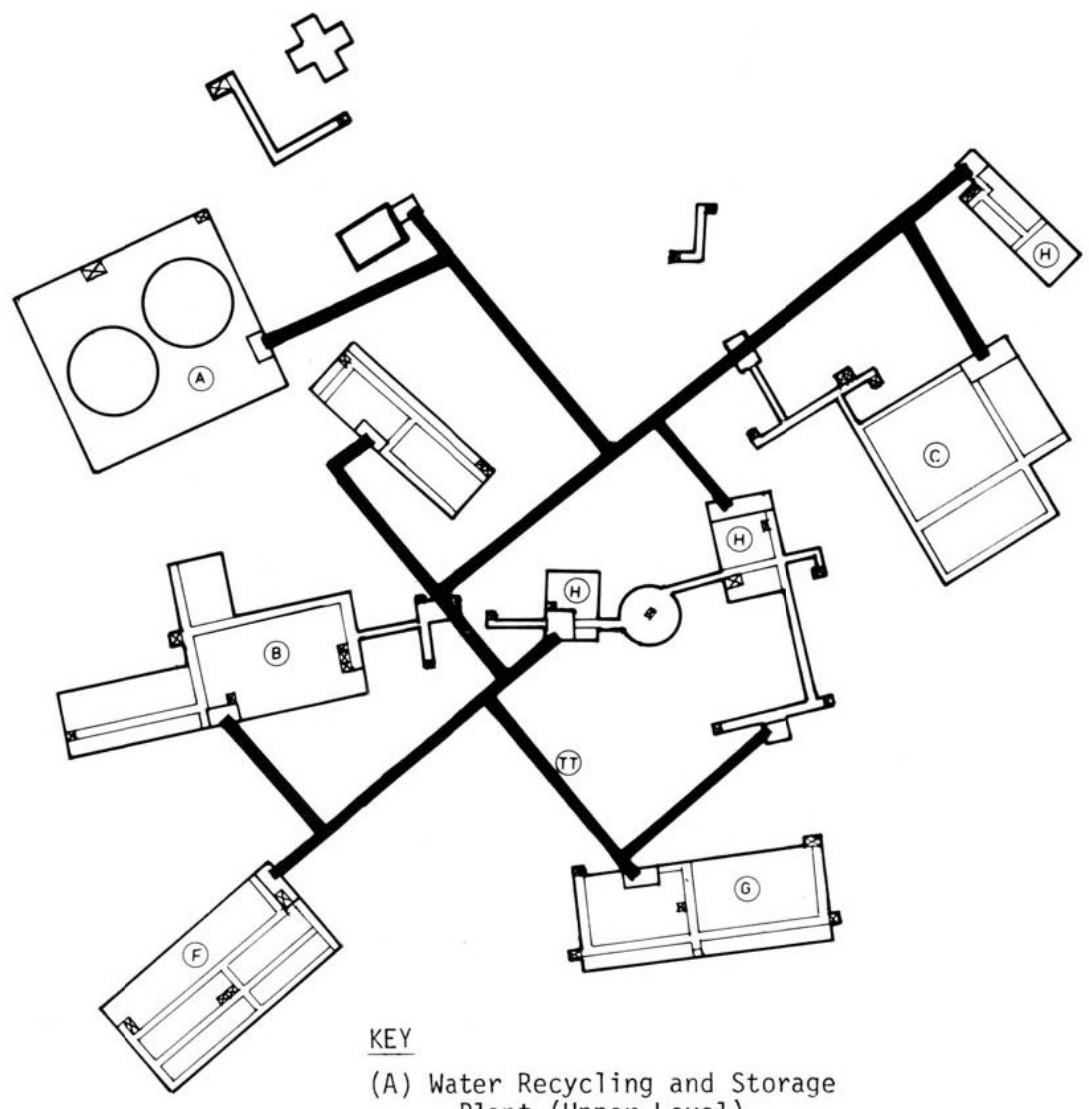
METERS x 100

1:4572 scale



Original art work by Brian Johnson.

LEVEL 1



KEY

(A) Water Recycling and Storage Plant (Upper Level)
(B) Waste Recycling Plant
(C) Air Recycling Plant
(D) Nuclear Furnace (Upper Level)
(E) Launch Pad Lift Shaft (Typical)
(F) Maintenance Section
(G) Storage
(H) Circuit-Breakers

LEVEL I is the first underground level of Moonbase Alpha. It is basically an industrial area containing all the recycling facilities required to make the Moonbase self-sufficient

(TT) Travel Tube (Typical)

Elevator

Travel Tube Terminal

FEET x 100

METERS x 100

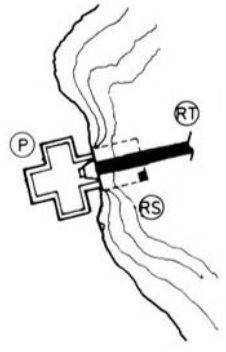
14572 scale

MOONBASE ALPHA

LEVEL J

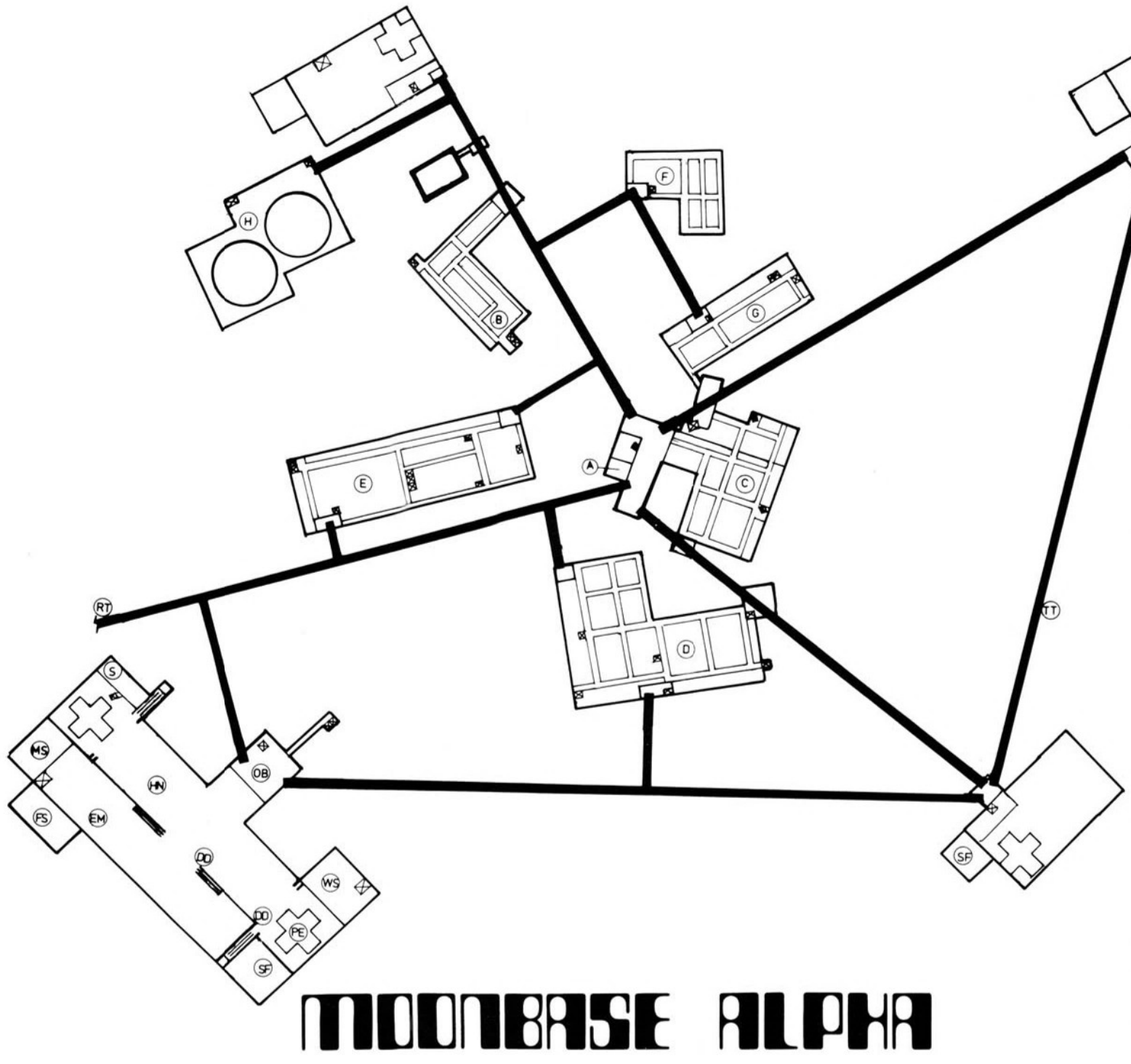
LEVEL J is the lowest level in use on Moonbase Alpha. Here are the hangars and service bays for the Eagle Spacecraft and the necessary control centers for Moonbase operations should the upper level control stations ever become useless.

The SECURITY RESEARCH STATION is located in a small crater at the edge of Plato. Cut off from the rest of the Moonbase, dangerous experiments can be carried out here without endangering the safety of Alpha. Bulkhead doors within the Travel Tube can completely isolate the Moonbase.



KEY-Research Station

(P) Landing Pad
(RT) Travel Tube to Research Station
(RS) Research Station Built Within Small Crater Wall



MOONBASE ALPHA

FEET x 100

METERS x 100

1:4572 scale

KEY-General Areas

(A) Command Center
(B) Medical Center
(C) Power/Life Support Section for Level J
(D) Accomendation Unit
(E) Dining Facility
(F) Life Support Equipment
(G) Technical Labs
(H) Water Recycling and Storage Planet (Lower Level)

Launch Pads

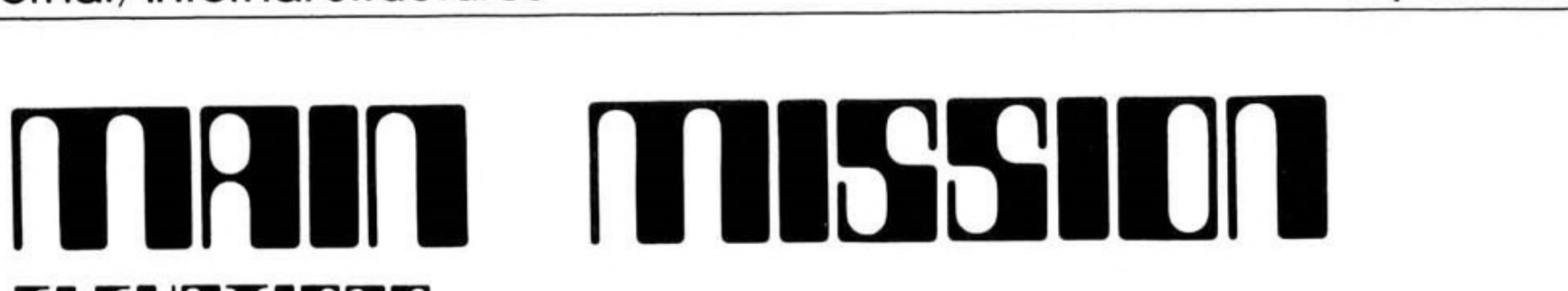
(DD) Double Doors
(EM) Eagle Maintenance Bay (Pressurized Area)
(FS) Nuclear Furnace (Lower Level) for Parts Fabrication
(HN) Hangar Section (Pressurized Area)
(MS) Eagle Module Storage
(OB) Observation Balcony and Control Area
(PE) Launch Pad Lift Platform (Typical)
(S) Storage Bays
(SF) Fuel Storage

(TT) Travel Tube (Typical)
(RT) Travel Tube to Research Station

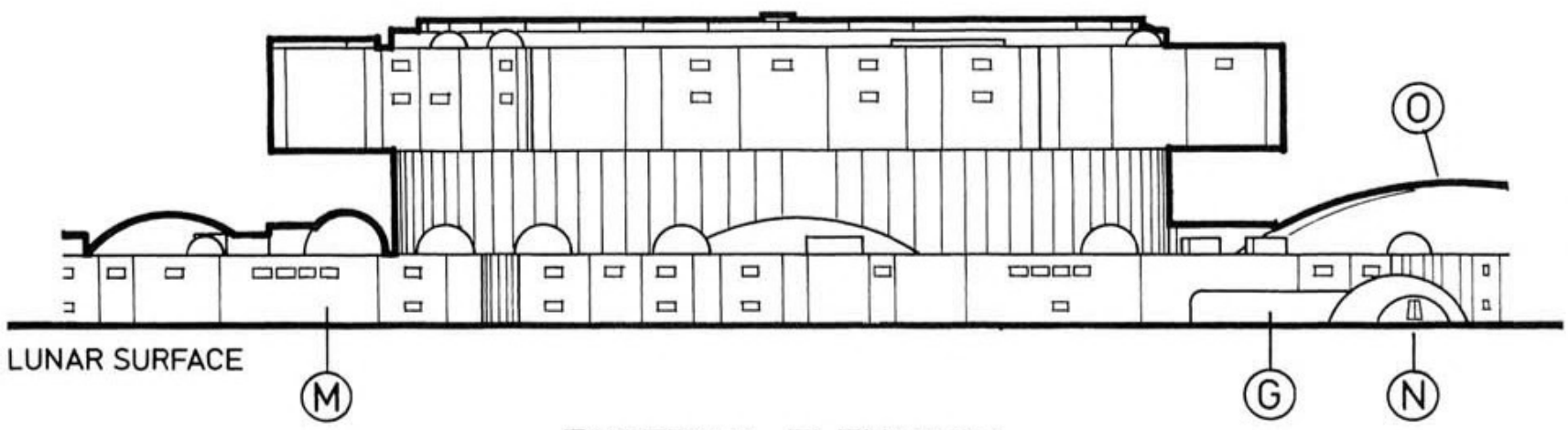
Elevator

Travel Tube Terminal

MAIN MISSION ELEVATIONS



INTERNAL ELEVATION



EXTERNAL ELEVATION
(LOOKING EAST)

For KEY see ALPHA - 1008

FEET x 10

METERS x 10

1:762 scale

LAUNCH PAD KEY (ALPHA-1002)

(A) Travel Tube
(B) Flight Control Complex
(C) Travel Tube Terminal
(D) Boarding Tube (Retracted)
(E) Radar and Tracking Installation
(F) Service Platform
(G) Flight Deck (Hangar Doors Under)
(H) Elevator To Technical Section
(I) Landing Lights
(J) Entrance To Service Stairway
(K) Long-Range Antenna

PARTICULARS

Length: 355 ft. (208.2 m)

Width: 278.75 ft. (84.96 m)

Height: 35 ft. (10.67 m)

MAIN MISSION ELEVATIONS KEY (ALPHA-1007)

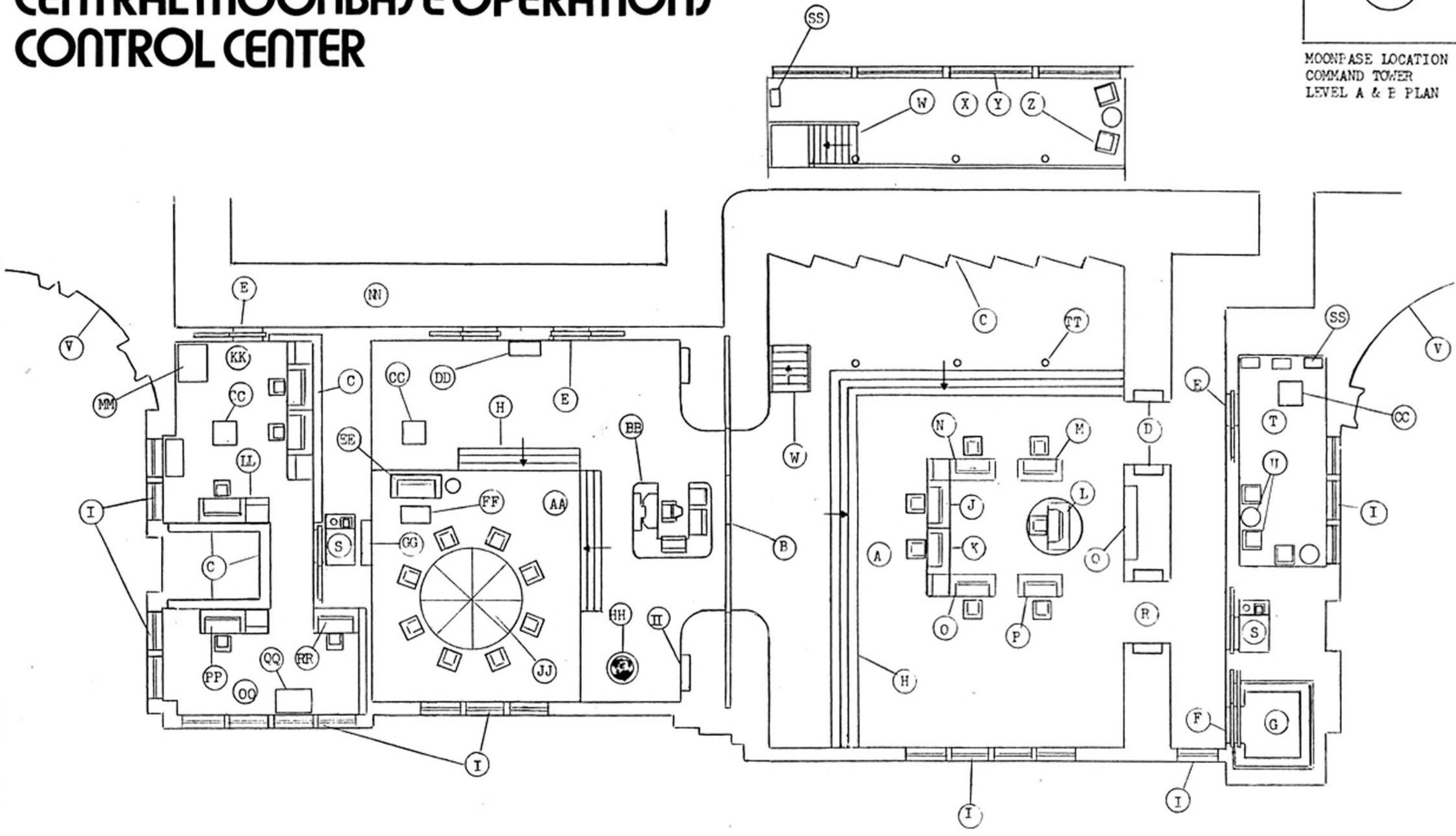
(A) Science Sensors/Main Antenna
(B) Main Mission Control Room
(C) Alpha Command Complex (3 Levels)
(D) Main Mission Emergency Power Station
(E) Offices and Duty Stations (4 Levels)
(F) Travel Tube Terminal
(G) Travel Tube
(H) Command Center
(I) Stairwell
(J) Elevator
(K) Technical Section
(L) Computer Section
(M) Hydroponic Farm
(N) Surface Exit Point
(O) Recreation and Dining Complex

PARTICULARS

Length: 300 ft (91.44 m)
Width: 290 ft (88.39 m)
Height: 110 ft (33.53 m)
Alpha Command Complex Height: 40 ft (12.19 m)
Support Hub Height: 30 ft (9.14 m)
Support Hub Diameter: 222.5 ft (67.82 m)
Standard Ceiling Height: 8 ft (2.44 m)

MAIN MISSION
CENTRAL MOONBASE OPERATIONS CONTROL CENTER

MOONBASE LOCATION
COMMAND TOWER
LEVEL A & B PLAN

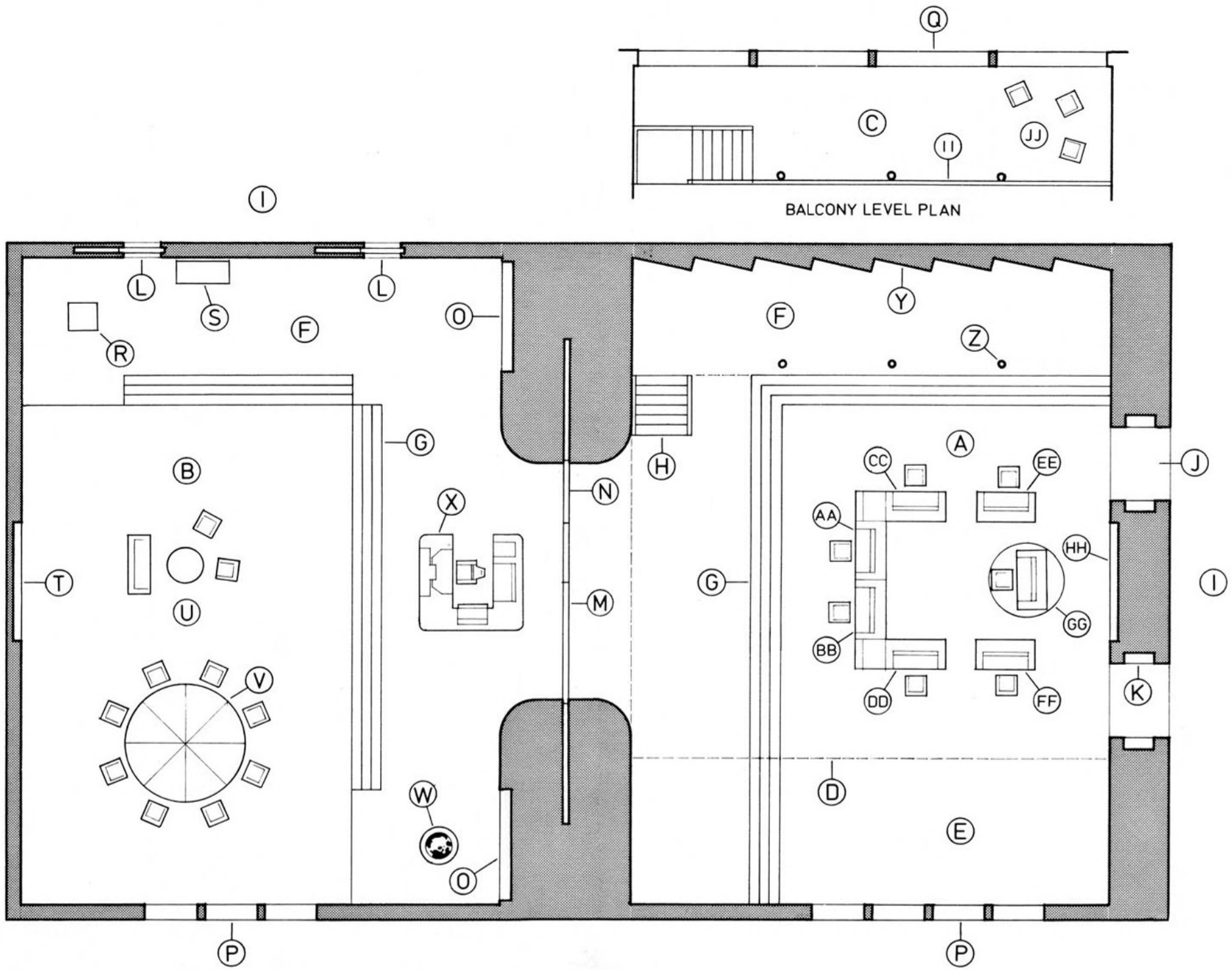


MAIN MISSION

FEET

METERS

1:96 scale



LEVEL B PLAN

MAIN MISSION (ALPHA-1009)

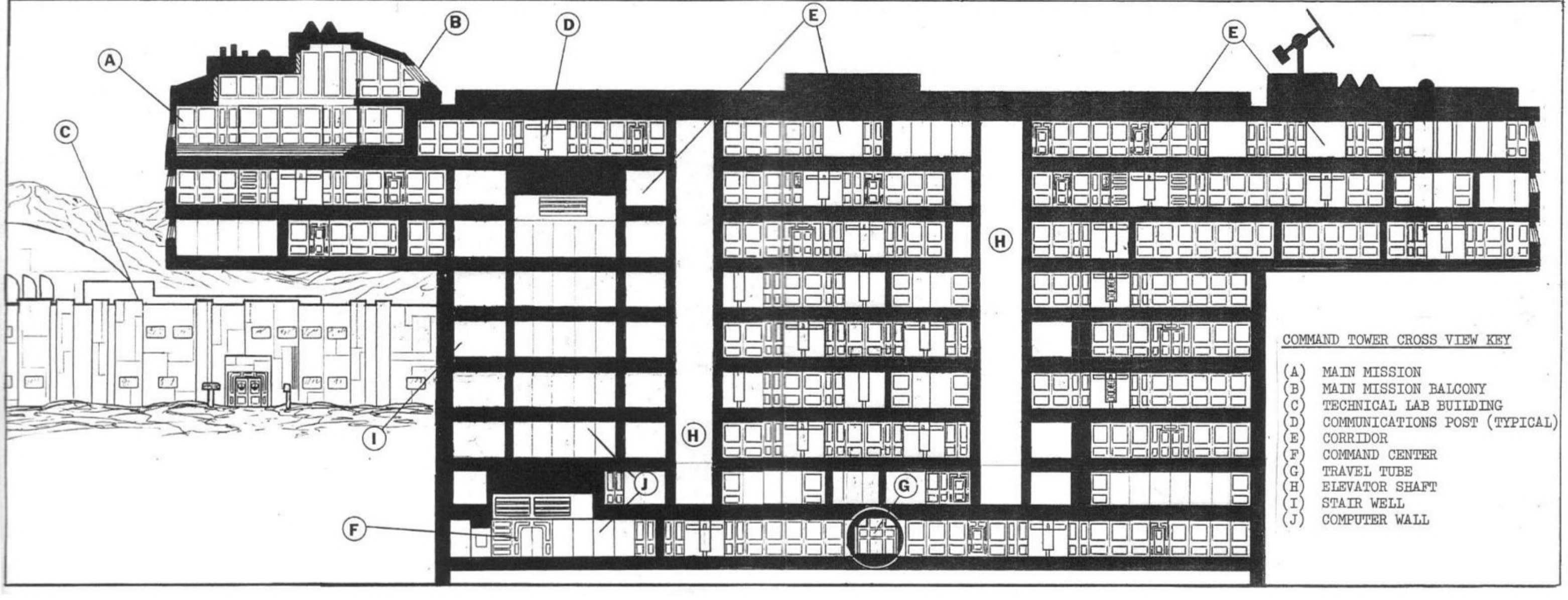
(A) MISSION CONTROL
(B) MISSION CONTROL ISOLATION DOORS
(C) COMPUTER PANELS
(D)) LIGHTING ALCOVES (4)
(E) SINGLE SLIDING DOOR (SAFETY SEAL)
(F) DOUBLE SLIDING DOOR (NO SEAL)
(G) DOUBLE SLIDING ENTRY DOOR (NO SEAL)
(H) ELEVATOR
(I) STEPS TO RAISED PLATFORM AREA
(J) EXTERIOR WINDOW (17)
(K) MISSION CONTROL STATION
(L) RECONNAISSANCE STATION
(M) COMPUTER STATION (SWIVELS 360°)
(N) SECURITY SATATION
(O) DATA STATION
(P) LIFE SUPORT STATION
(Q) MEDICAL STATION
(R) MAIN VIEW SCREEN/MOONBASE MONITOR SCR
(S) ENTRY ARCHES
(T) RESTROOM
(U) LOUNGE
(V) LOUNGE CHAIRS AND TABLES
(W) COMMAND TOWER CURVATURE
(X) STAIRS TO BALCONY LEVEL
(Y) OBSERVATION BALCONY (OVER COMPUTER PANEL WALL
(Z) OBSERVATION WINDOWS (4)
(a) LOUNGE CHAIRS
(b) COMMANDER'S OFFICE
(c) COMMANDER'S DESK AND CHAIR
(e) COMMUNICATIONS POST
(f) COUCH
(g) COFFEE TABLE
(h) CONFERENCE VIEW SCREEN
(i) EARTH GLOBE
(j) WALL SHELF
(k) CONFERENCE TABLE AND CHAIRS
(l) INTERNATIONAL LUNAR FINANCE COMMISSION CONFERENCE ROOM*
(m) COMPUTER DESK
(n) FILING UNIT
(o) CORRIDOR
(n) FILING UNIT
(o) CORRIDOR
(p) EMERGENCY OXYGEN/SPACE SUIT STORAGE UNIT
(q) ELECTRICAL UNIT - A1 CORRIDOR 1
(r) STEPS
(s) LIGHT PANEL
(t) DRINKS MACHINE
(u) OBSERVATION BALCONY SUPPORT POLES (3)
(v) BALCONY RAILING
(w) DECORATIVE SCULPTURE
(x) POSITION OF STEPS AND PLATFORM IN THE FIRST 4 EPISODES
(y) CEILING OUTLINE
(*) USED ONLY WHEN THE ILFC IS ON MOONBASE ALPHA FOR IT'S BI-ANNUALLY TOUR.

MAIN MISSION CONTROL COMPLEMENT:

COMMANDER
MISSION CONTROLLER
SECURITY OFFICER
CHIEF PILOT
MEDICAL OFFICER
DATA TECHNICIAN
LIFE SUPPORT TECHNICIAN (USUALLY MONITORED BY THE MEDICAL OFFICER ON DUTY)
COMPUTER TECHNICIAN

MAXIMUM CAPACITY:

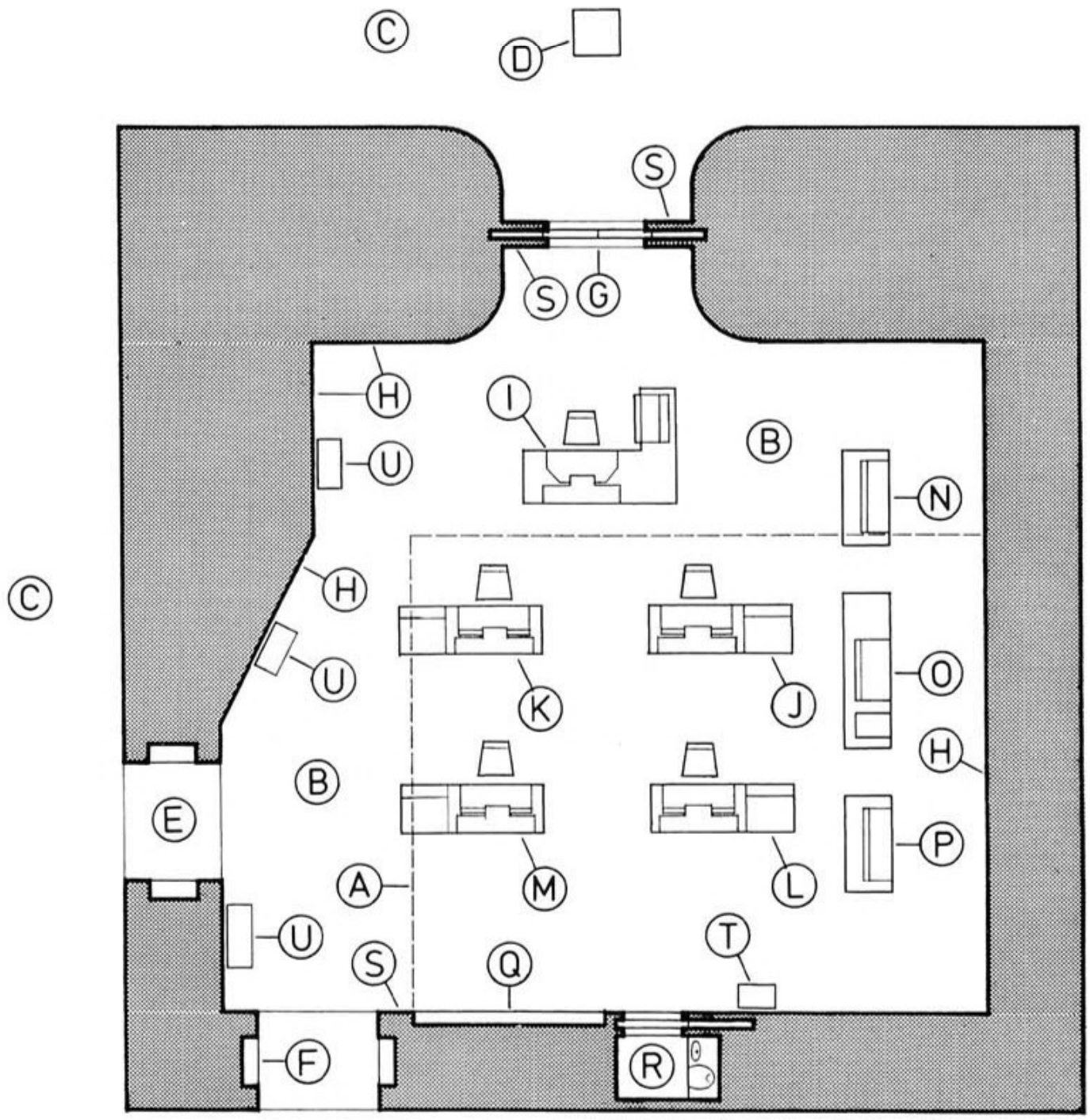
MAIN MISSION - 40
COMMANDER'S OFFICE - 15



COMMAND TOWER CROSS VIEW KEY

(A) MAIN MISSION
(B) MAIN MISSION BALCONY
(C) TECHNICAL LAB BUILDING
(D) COMMUNICATIONS POST (TYPICAL)
(E) CORRIDOR
(F) COMMAND CENTER
(G) TRAVEL TUBE
(H) ELEVATOR SHAFT
(I) STAIR WELL
(J) COMPUTER WALL

COMMAND
CENTER



C

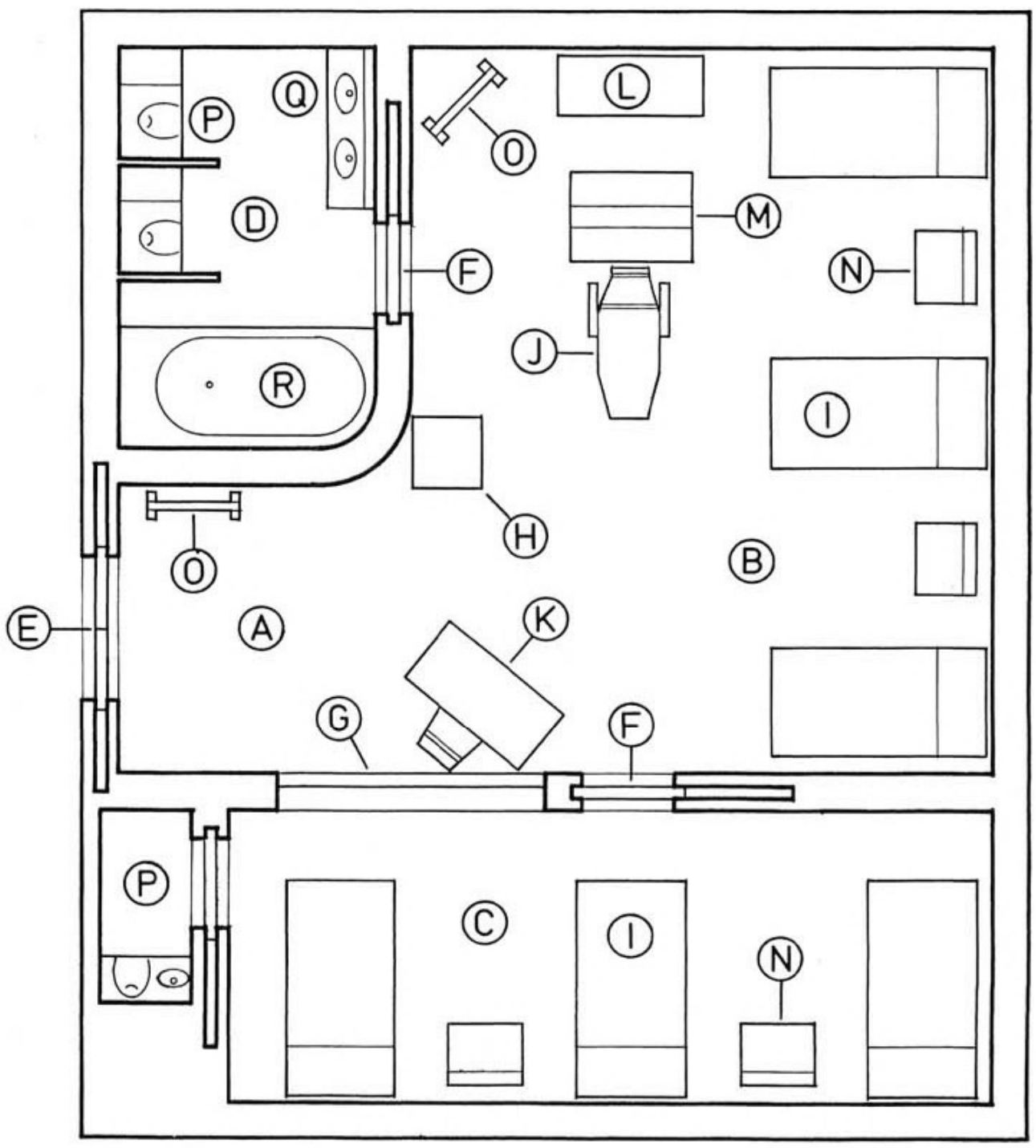
LEVEL J PLAN

FEET

METERS

1:96 scale

MEDICAL CENTER



LEVEL J PLAN

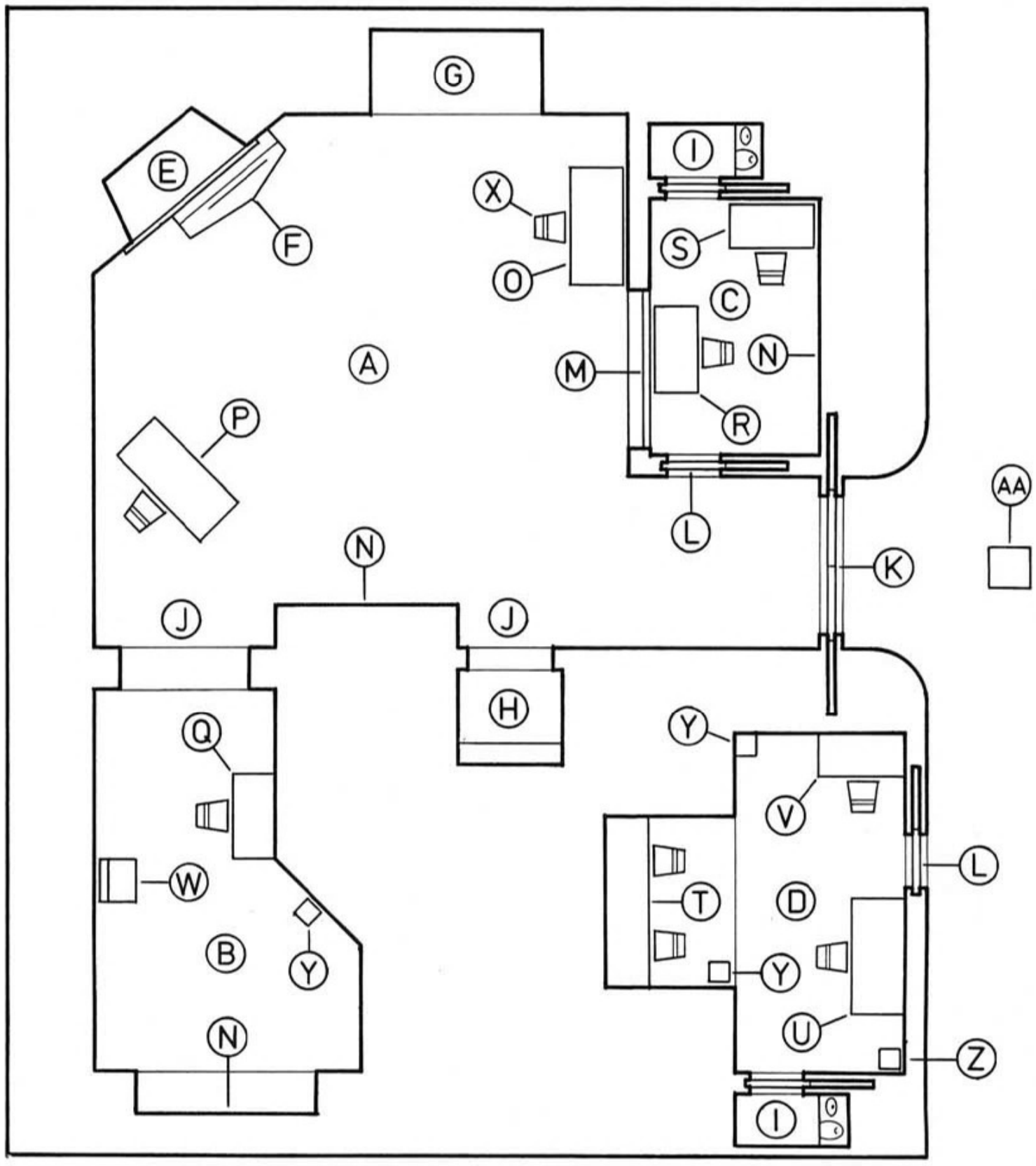
FEET

METERS

1:64 scale

POWER

LIFE SUPPORT/WEAPONS CENTER



LEVEL J PLAN

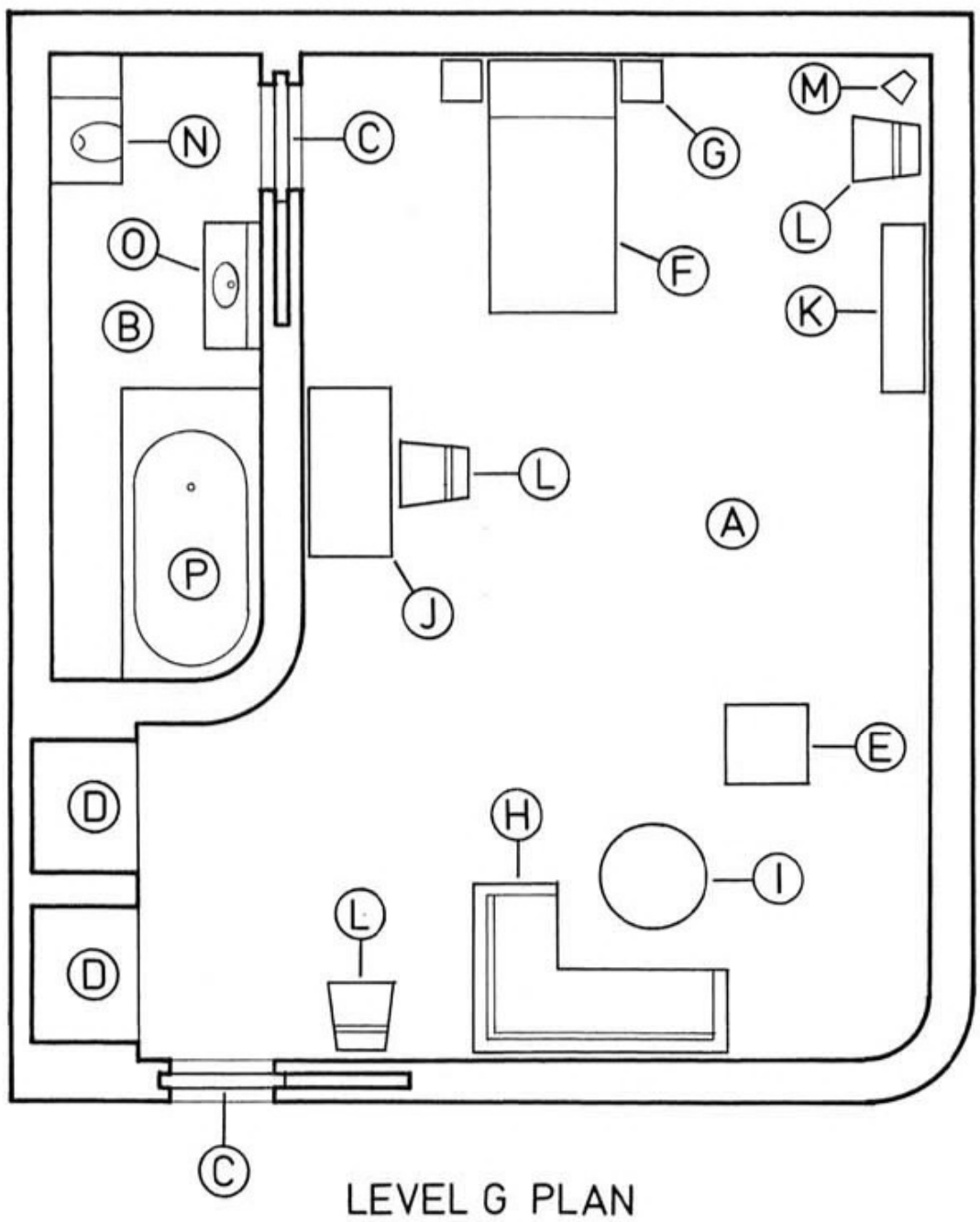
FEET

METERS

1:96 scale

LIVING UNIT

OFFICER ACCOMMODATIONS



LEVEL G PLAN

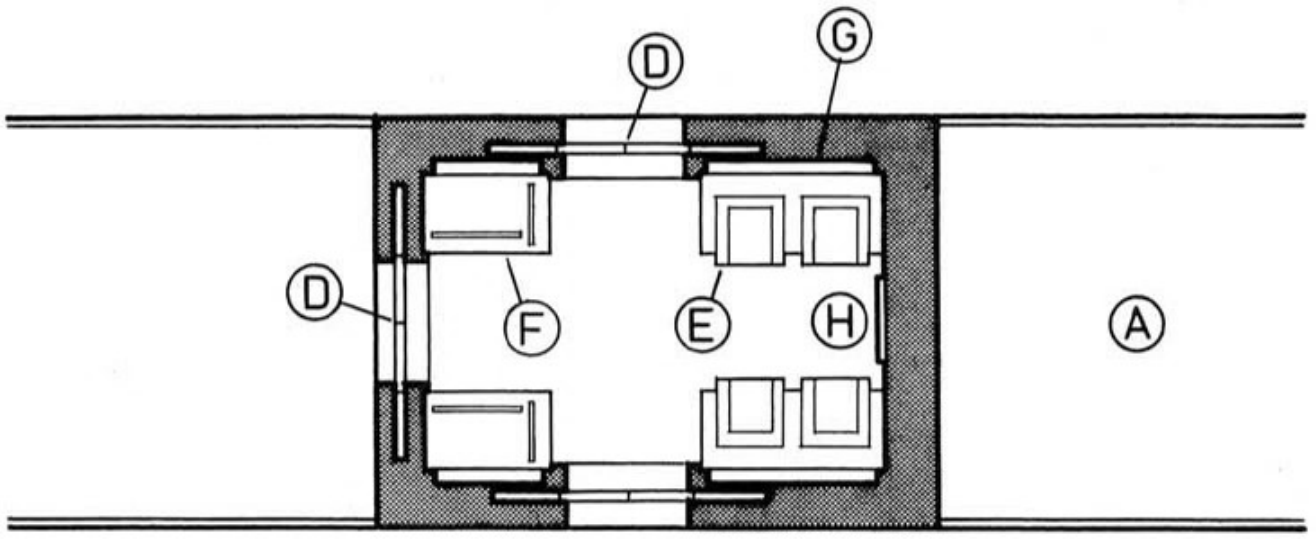
FEET

METERS

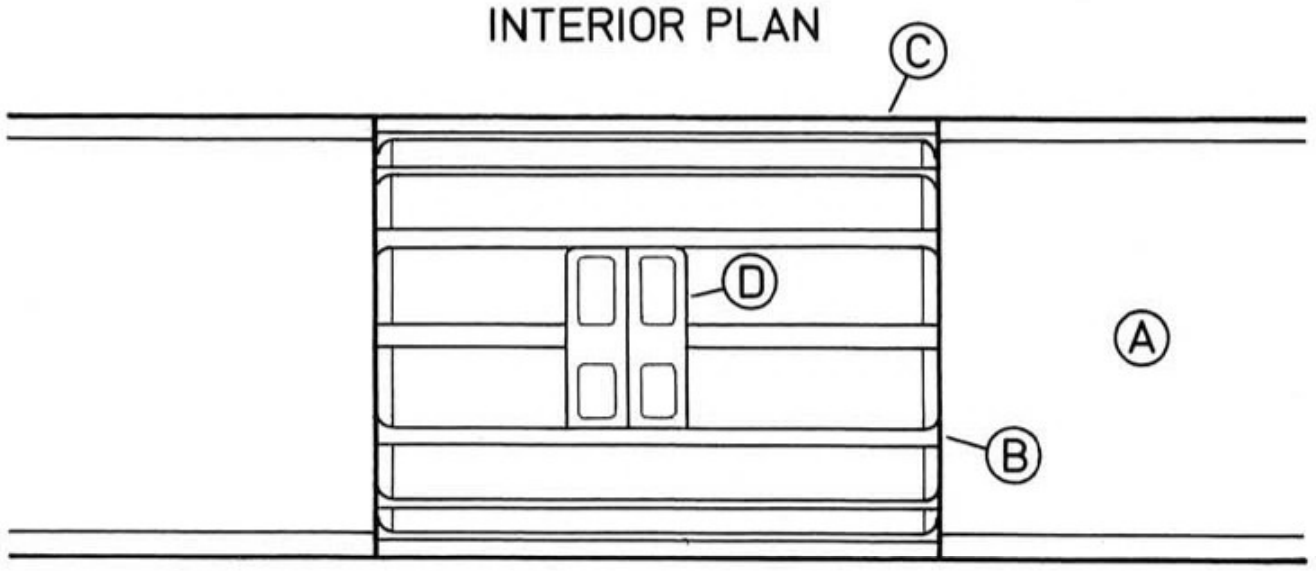
1:64 scale

TRAVEL TUBE

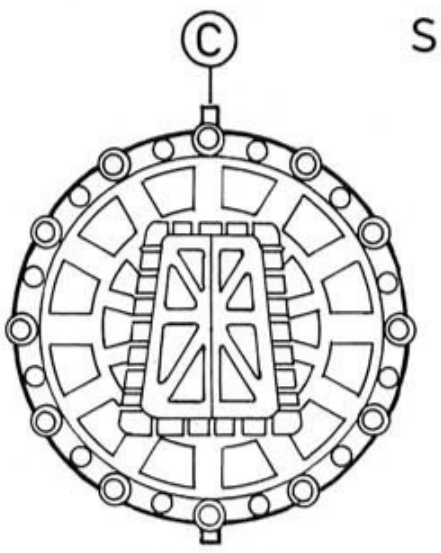
PASSENGER CAR



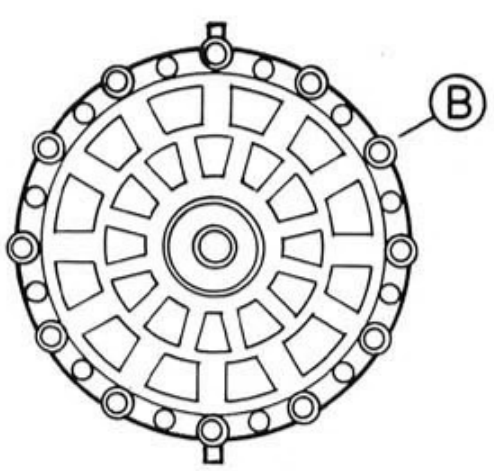
INTERIOR PLAN



SIDE PROFILE



REAR ELEVATION



FRONT ELEVATION

FEET

METERS

1:96 scale

MAIN MISSION KEY (ALPHA-1009)

(A) Mission Control
(B) Commander's Office
(C) Observation Balcony (Over)
(D) Ceiling Outline
(E) Ventilation Ducts (Over)
(F) Raised Platform Level
(G) Steps
(H) Stairway to Balcony
(I) Corridor
(J) Entry Arches (2)
(K) Lighting Alcoves (4)
(L) Sliding Doors (2)
(M) Mission Control Isolation Doors (2)
(N) Single Sliding Door
(O) Shelves (2)
(P) Exterior Windows (7)
(Q) Observation Windows (4)
(R) Communication Post
(S) Table Unit
(T) Conference Viewscreen
(U) Commander's Lounge
(V) Conference Table and Chairs
(W) Earth Globe
(X) Commander's Desk and Chair
(Y) Computer Wall
(Z) Balcony Support Pillars (3)
(AA) Mission Control Station
(BB) Reconnaissance Station
(CC) Data Systems Station
(DD) Life Support Station
(EE) Security Station
(FF) Medical Station
(GG) Computer Station (Swivels 360°)
(HH) Main Viewscreen/Moonbase Monitors
(II) Railing
(JJ) Lounge Chairs (3)

Length: 73 ft (22.25 m)
Width: 44 ft (13.36 m)
Height: 16 ft (4.88 m)
Mission Control Length: 36.5 ft (11.13.m)
Commander's Office Length: 36.5 ft (11.13.m)
Ceiling Height: 10 ft (3.05 m)
Platform Level: 8 ft (2.44 m)
Mission Control High Bay: 18 ft (5.49.m)
Standard Bulkhead Thickness: 1 ft (0.3.m)
Complement: Commander
Mission Controller
Security Officer
Chief Pilot
Medical Officer
Data Technician
Life Support Technician
Computer Technician

COMMAND CENTER KEY (ALPHA-1010)

(A) Ceiling Outline
(B) Ventilation Ducts (Over)
(C) Corridor
(D) Communication Post
(E) Entry Arches (2)
(F) Lighting Alcoves (4)
(G) Sliding Double Doors
(H) Computer Wall
(I) Commander's Desk and Chair
(J) Security Officer's Desk and Chair
(K) Science Officer's Desk and Chair
(L) Medical Officer's Desk and Chair
(M) Data Technician's Desk and Chair
(N) Computer Technician's Desk and Chair
(O) Chief Pilot's Desk and Chair
(P) Life Support Technician's Desk and Chair
(Q) Main Viewscreen/Moonbase Monitors
(R) Sanitary Facility
(S) Fire Extinguisher Locations (3)
(T) Drink Dispenser
(U) Mobile Filing Units (3)

Length: 32.5 ft (9.91 m)
Width: 32 ft (9.75 m)
Height: 12 ft (3.66 m)
Ceiling Height: 8 ft (2.44 m)
High Bay: 10 ft (3.05 m)
Standard Bulkhead Thickness: 4 ft (1.22 m)
Complement: Same as Main Mission (Alpha-1009)

MEDICAL CENTER KEY (ALPHA-1011)

(A) Entrance Foyer
(B) Intensive Care Unit
(C) Isolation Ward
(D) Bathroom
(E) Sliding Double Doors
(F) Sliding Single Doors
(G) Observation Window
(H) Communication Post
(I) Beds (6--Medical Computer On Wall)
(J) Operating Table
(K) Medical Officer's Desk and Chair
(L) Table
(M) Life Support Unit
(N) Mobile Monitoring Units (4)
(O) Medicine Racks (2)
(P) Toilets (3)
(Q) Sinks
(R) Bathtub

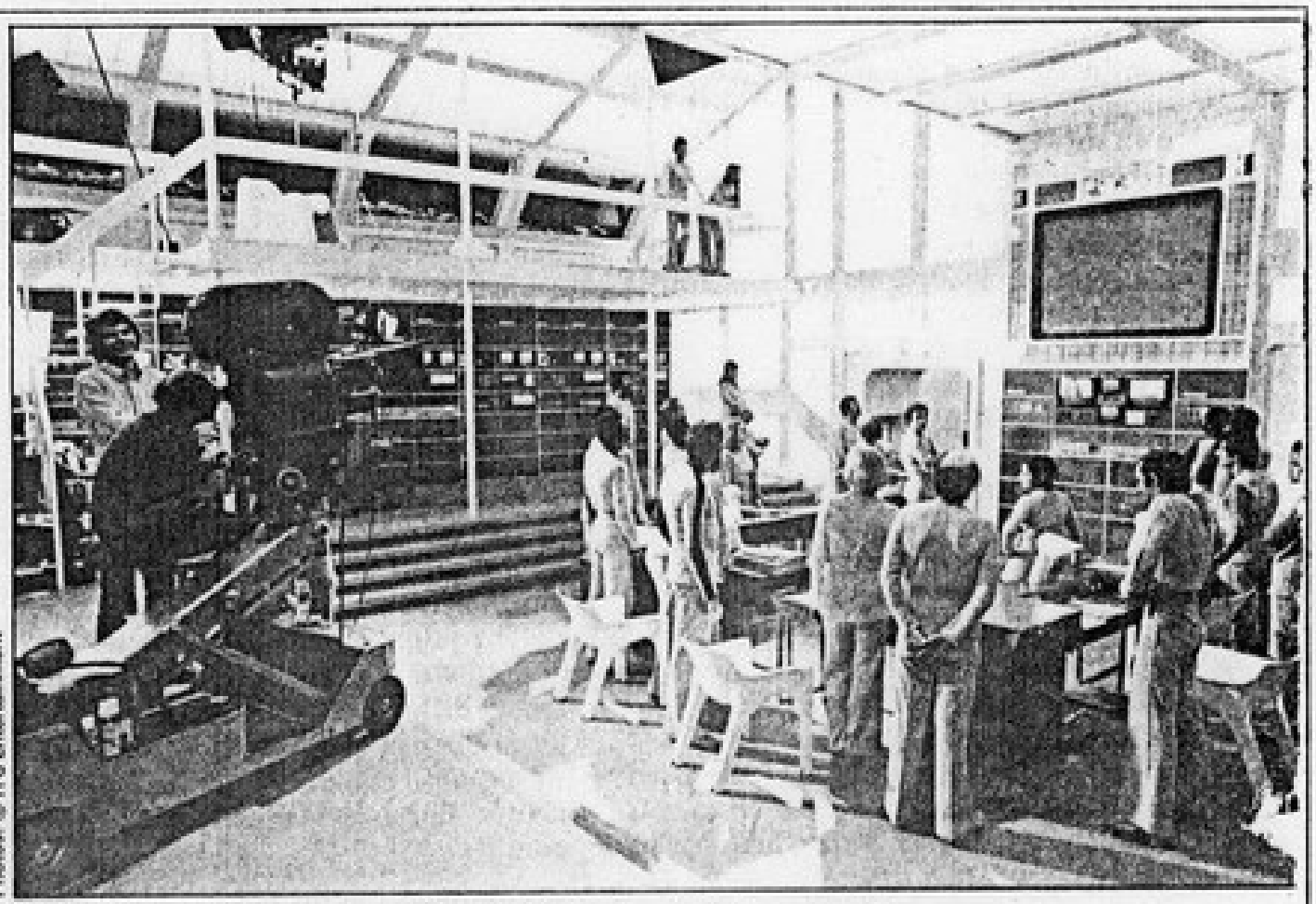
Complement: Medical Officers (2)
Nurses (2)
Orderlies (2)

Key

MAIN MISSION KEY (ALPHA-1009A)

(A) MISSION CONTROL
(B) MISSION CONTROL ISOLATION DOORS
(C) COMPUTER WALL
(D) LIGHTING ALCOVES (4)
(E) SINGLE SLIDING DOOR (7)
(F) DOUBLE SINGLE SLIDING DOOR
(G) ELEVATOR
(H) STEPS TO RAISED PLATFORM LEVEL
(I) EXTERIOR WINDOWS (19)
(J) MISSION CONTROL STATION
(K) RECONNAISSANCE STATION
(L) COMPUTER STATION (SWIVELS 360°)
(M) SECURITY STATION
(N) DATA SYSTEMS STATION
(O) LIFE SUPPORT STATION
(P) MEDICAL STATION
(Q) MAIN VIEW SCREEN/MOONBASE MONITORS
(R) ENTRY ARCHES
(S) RESTROOM
(T) LOUNGE
(U) LOUNGE CHAIRS & TABLES
(V) COMMAND TOWER CURVATURE
(W) STAIRES TO BALCONY
(X) OBSERVATION BALCONY (OVER)
(Y) OBSERVATION WINDOWS (3)
(Z) LOUNGE CHAIRS
(AA) COMMANDER'S OFFICE
(BB) COMMANDER'S DESK AND CHAIR
(CC) COMMUNICATION POST
(DD) TABLE UNIT
(EE) COUCH
(FF) COFFEE TABLE
(GG) CONFERENCE VIEW SCREEN
(HH) EARTH GLOBE
(II) WALL SHELF
(JJ) CONFERENCE TABLE AND CHAIRS
(KK) MOONBASE GENERAL COMMUNICATIONS CENTER
(LL) COMMUNICATIONS OPERATOR'S DESK
(MM) FILING UNIT
(NN) CORRIDOR
(OO) COMMUNICATIONS MONITORING ROOM
(PP) OPERATOR'S MONITORING DESK
(QQ) MOBILE CIRCUITRY UNIT
(RR) PERSONAL MOONBASE TO EARTH OPERATOR'S CONTROL STATION AND COMMUNICATIONS BROADCAST COMPUTER
(SS) DRINKS MACHINE
(TT) BALCONY SUPPORT POLE (3)

COMPLEMENT: COMMANDER
MISSION CONTROLLER
SECURITY OFFICER
CHIEF PILOT
MEDICAL OFFICER
DATA TECHNICIAN
LIFE SUPPORT TECHNICIAN
COMPUTER TECHNICIAN



Photos: © ITC Entertainment

The camera crew at the left zooms in on Main Mission's Big Screen in this behind-the-scenes shot from *Space:1999* premiere episode, "Breakaway." A film of a simulated TV newscast will be rear-projected onto the screen.

Sandra Benes and Lt. Alan Carter.

POWER/LIFE SUPPORT/WEAPONS SECTION KEY (ALPHA-1012)

(A) Nuclear Generating Area
(B) Nuclear Waste Monitoring Room
(C) Life Support Systems Control Room
(D) Weapons Systems Control Room
(E) Nuclear Reactor
(F) Reinforced Door
(G) Computer Alcove
(H) Anti-Radiation Gear Storage
(I) Sanitary Facility (2)
(J) Arches (2)
(K) Sliding Double Doors
(L) Sliding Single Doors (4)
(M) Observation Window
(N) Computer Wall
(O) Power Distribution Station
(P) Reactor Control Station
(Q) Waste Monitoring Station
(R) Environmental Maintenance Station
(S) Recycling Systems Monitoring Station
(T) Weapons Control Console
(U) Defense Systems Station
(V) Damage and Casualties Station
(W) Circuitry Test Unit
(X) Standard Operator's Chair
(Y) Filing Units (3)
(Z) Shelf Unit
(AA) Communication Post

Complement:
Power Room: Technicians (3)
Waste Monitoring: Technicians (2)
Weapons: Security Officer (1)
Technicians (3)
Life Support: Medical Officer (1)
Technician (1)

LIVING UNIT KEY (ALPHA-1013)

(A) Living Area
(B) Bathroom
(C) Sliding Single Door (2)
(D) Wardrobe Closets (2)
(E) Communication Post
(F) Bed
(G) Bedside Tables (2)
(H) Sofa
(I) Table
(J) Desk
(K) Bookcase
(L) Chairs (3)
(M) Lamp
(N) Toilet
(O) Sink/Vanity
(P) Bathtub

Complement-Officer Accommodations:
Officer (1)
Maximum Complement with Modifications:
Officers (2)

TRAVEL TUBE KEY (ALPHA-1014)

(A) Tube Interior
(B) Vacuum Propulsion Units (12)
(C) Track Studs (2)
(D) Sliding Double Doors (3)
(E) Seats (4)
(F) Baggage Racks (2)
(G) Motion Indicator Panels (4)
(H) Communication Panel

Length: 18.5 ft (5.64 m)
Height: 14.5 ft (4.42 m)
Diameter: 13 ft (3.96 m)
Ceiling Height: 8 ft (2.44 m)

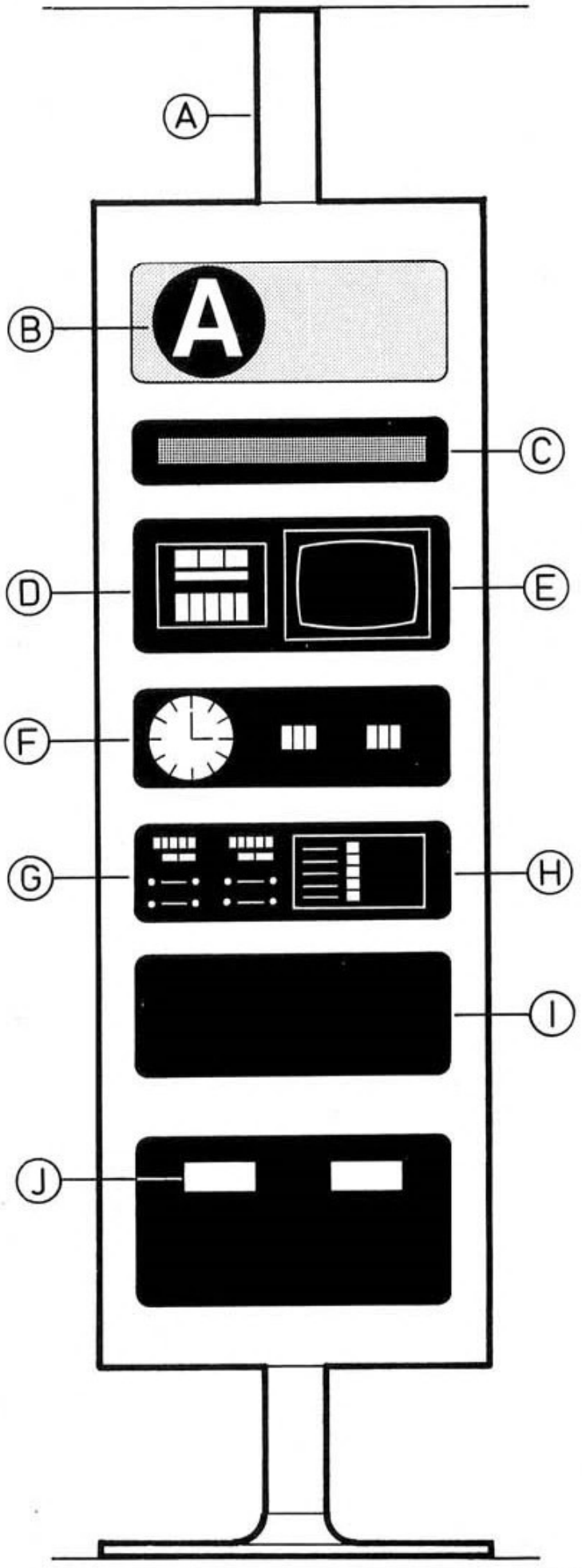
COMMUNICATION

POST

KEY

(A) Support Spine
(B) Section Identification
Letter in Circle is First Letter of Section Name
Shaded Area is Section Color Code
(C) Speaker/Microphone
(D) Audio/Visual Communications Control
(E) Video Monitor (Pickup Behind Screen)
(F) Lunar Chronometer
(G) Computer Tie-In Controls
(H) Computer Print-Out Slots
(I) Computer Memory Core
(J) Access Panel

Length: 2 ft (0.61 m)
Width: 2 ft (0.61 m)
Height: 8 ft (2.44 m)



FRONT ELEVATION

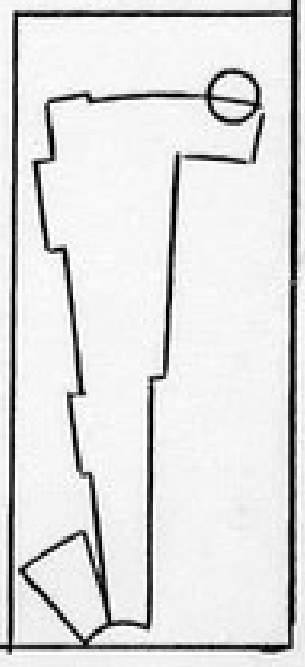
FEET
DECIMETERS
1:12 scale

DR. RUSSELL'S OFFICE

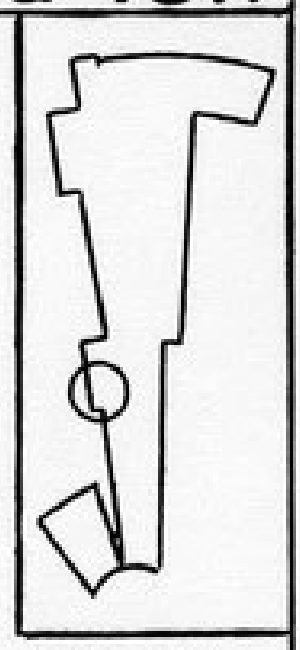
LEVEL G PLAN

1:64 SCALE

MOONBASE LOCATION



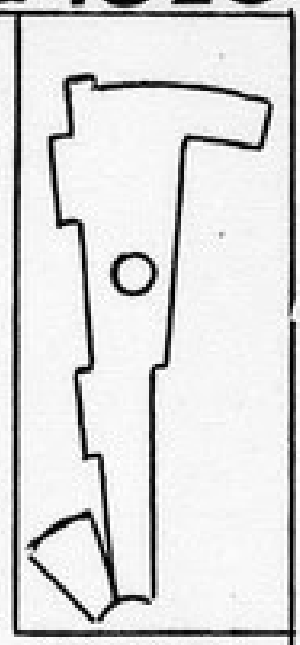
DIAGNOSTIC UNIT 5 & 6



MOONBASE
LOCATION
LEVEL G
PLAN

L 1:96 SCALE

INTENSIVE CARE UNIT



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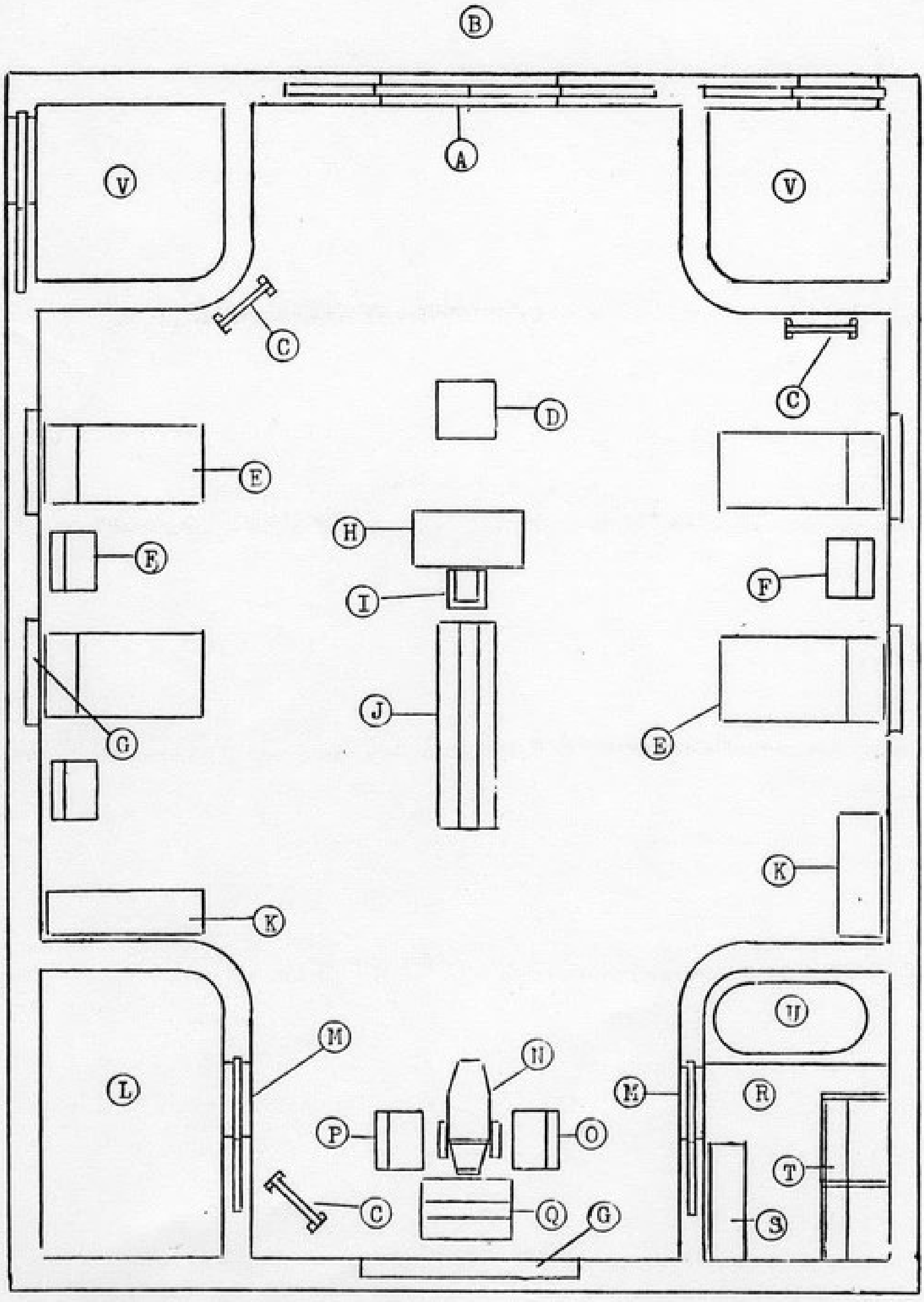
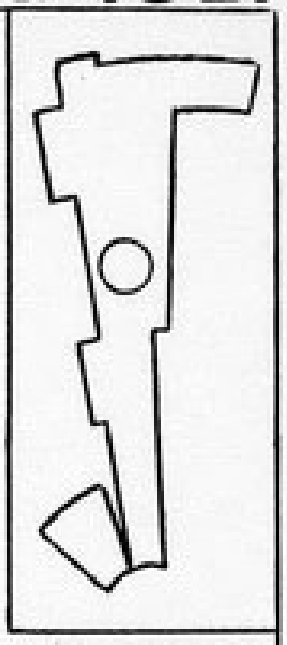


LEVEL H PLAN

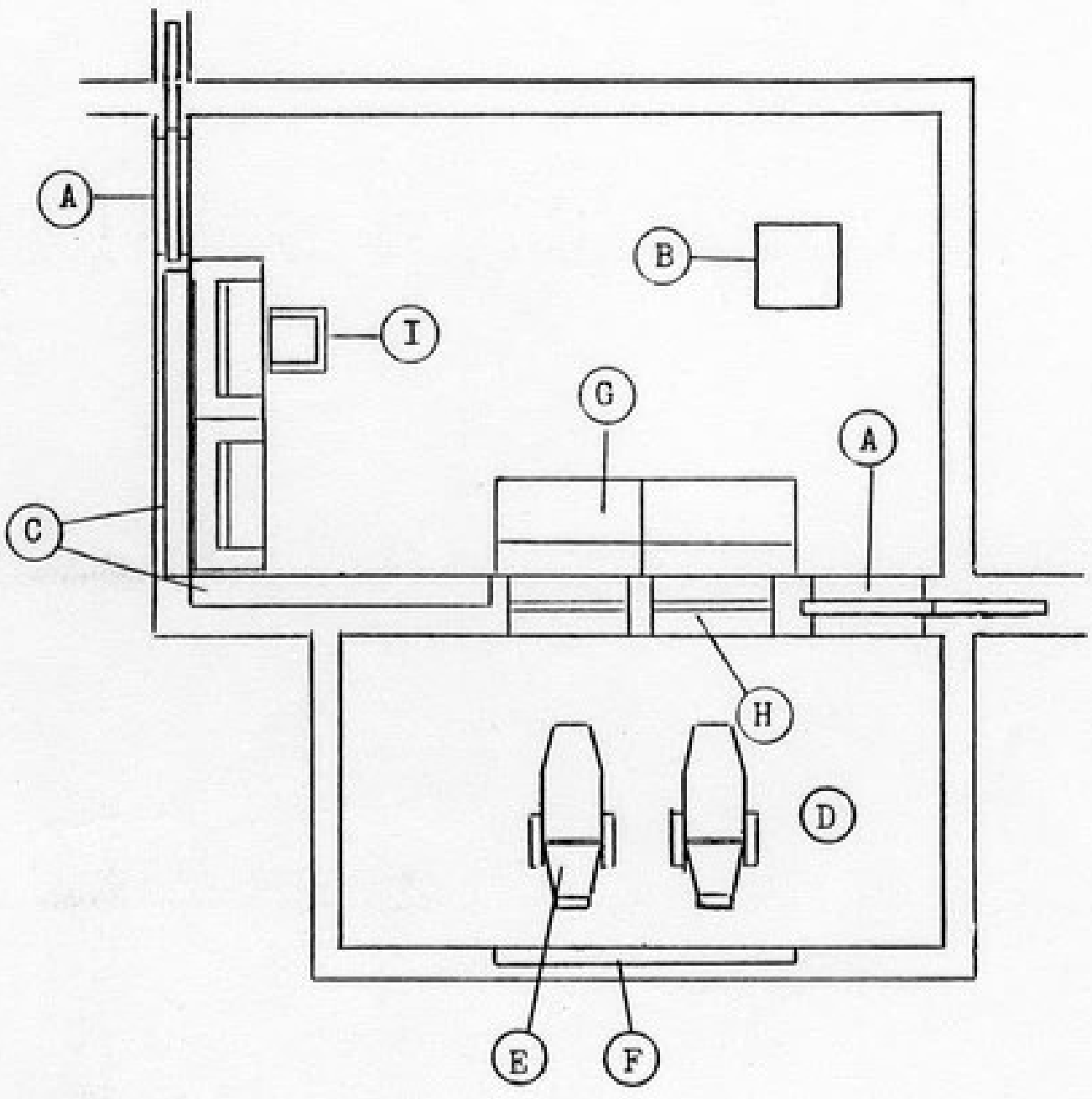
1:64 SCALE

ISOLATION WARD

INTENSIVE CARE UNIT



MOONBASE
LOCATION
LEVEL H
PLAN



1:64 SCALE

Key

DR. R'SSELL'S OFFICE (ALPHA - 1018)

(A) ENTRANCE FOYER
(B) SINGLE SLIDING DOOR (3)
(C) CORRIDOR
(D) MEDICAL COMPUTER
(E) TABLE 'NIT
(F) CHAIR
(G) DESK
(H) THERMOGRAPHIC PLATE VIEWER
(I) SHELF UNIT
(J) COMMUNICATIONS POST
(K) SHELF UNIT/MEDICAL TABLE
(L) MEDICAL OFFICER'S FILING TABLE
(M) PORTABLE LAB TESTING 'NITS
(N) MEDICAL LAB
(O) WALL SHELF
(P) EXTERIOR WINDOWS (3)

COMPLE'IENT:
OFFICE: CHIEF MEDICAL OFFICER
LAB: CHIEF MEDICAL OFFICER
ASSISTANT MEDICAL OFFICER

DIAGNOSTIC 'NIT 5&6 (ALPHA - 1019)

(A) DIAGNOSTIC 'NIT 5
(B) STAIRS
(C) ROOM DIVIDER/SHELF 'NIT
(D) BEDS (7)
(E) MEDICAL COMPUTERS (6)
(F) MOBILE MONITORING 'NIT (5)
(G) LIFE S'PPORT 'NIT (2)
(H) MEDICAL OFFICER'S DESK & CHAIR
(I) COMM'NICATIONS POST (3)
(J) MEDICINE RACK (3)
(K) SINGLE SLIDING DOOR (4)
(L) MEDICINE TABLE (2)
(M) BATHROOM
(N) BATHTUB
(O) SINK
(P) TOILET (2)
(Q) ELEVATOR (2)
(R) DOUBLE SLIDING DOOR (3)
(S) CORRIDOR
(T) MEDICAL SUPPLIES STORE
(U) CHAIR
(V) EXTERIOR WINDOWS (4)
(W) DIAGNOSTIC UNIT 6
(X) WALL SHELF

COMPLEMENT:
UNIT 5: MEDICAL OFFICER
NURSES (2)
UNIT 6: MEDICAL OFFICER

I'TENSIVE CARE 'NIT (ALPHA - 1020)

(A) DO'BLE SLIDING DOOR
(B) CORRIDOR
(C) MEDICINE RACK (3)
(D) COMM'NICATIONS POST
(E) BED (4)
(F) BODY SYSTEMS MONITORING 'NIT (3)
(G) MEDICAL COMPUTER (5)
(H) MEDICAL OFFICER'S DESK
(I) CHAIR
(J) ROOM DIVIDER/SHELF UNIT
(K) MEDICINE TABLE (2)
(L) WARDROBE
(M) SINGLE SLIDING DOOR (4)
(N) EMERGENCY OPERATING TABLE
(O) BODY SYSTEMS MONITORING UNIT
(P) BRAIN WAVE SCANNER UNIT
(Q) LIFE S'PPORT UNIT
(R) BATHROOM
(S) SINK
(T) TOILET
(U) BATHT'B
(V) REFRI S'PPLIES STORE

COMPLEMENT:
MEDICAL OFFICERS:(2)
NURSES: (2)
ORDERLIES: (2)

INTENSIVE CARE ISOLATION UNIT (ALPHA - 1021)

(A) SINGLE SLIDING DOOR (2)
(B) COMM'NICATIONS POST
(C) MEDICAL COMPUTER (2)
(D) ISOLATION ROOM
(E) BED (2)
(F) MEDICAL MONITORING SCANNER (2)
(G) LIFE SUPPORT UNIT
(H) OBSERVATION WINDOW (2)
(I) MEDICAL COMPUTER DESK (2)

COMPLEMENT:
MEDICAL OFFICER: (1)
N'RSE: (2)

1:64 SCALE

FEET

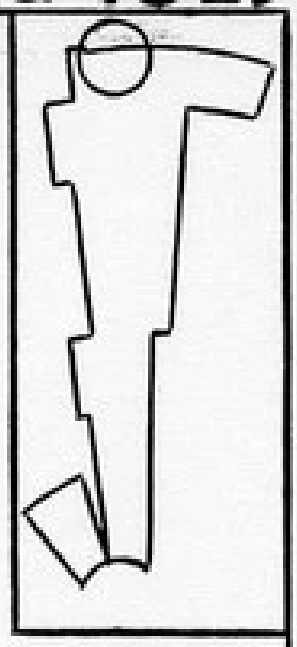
METERS

1:96 SCALE

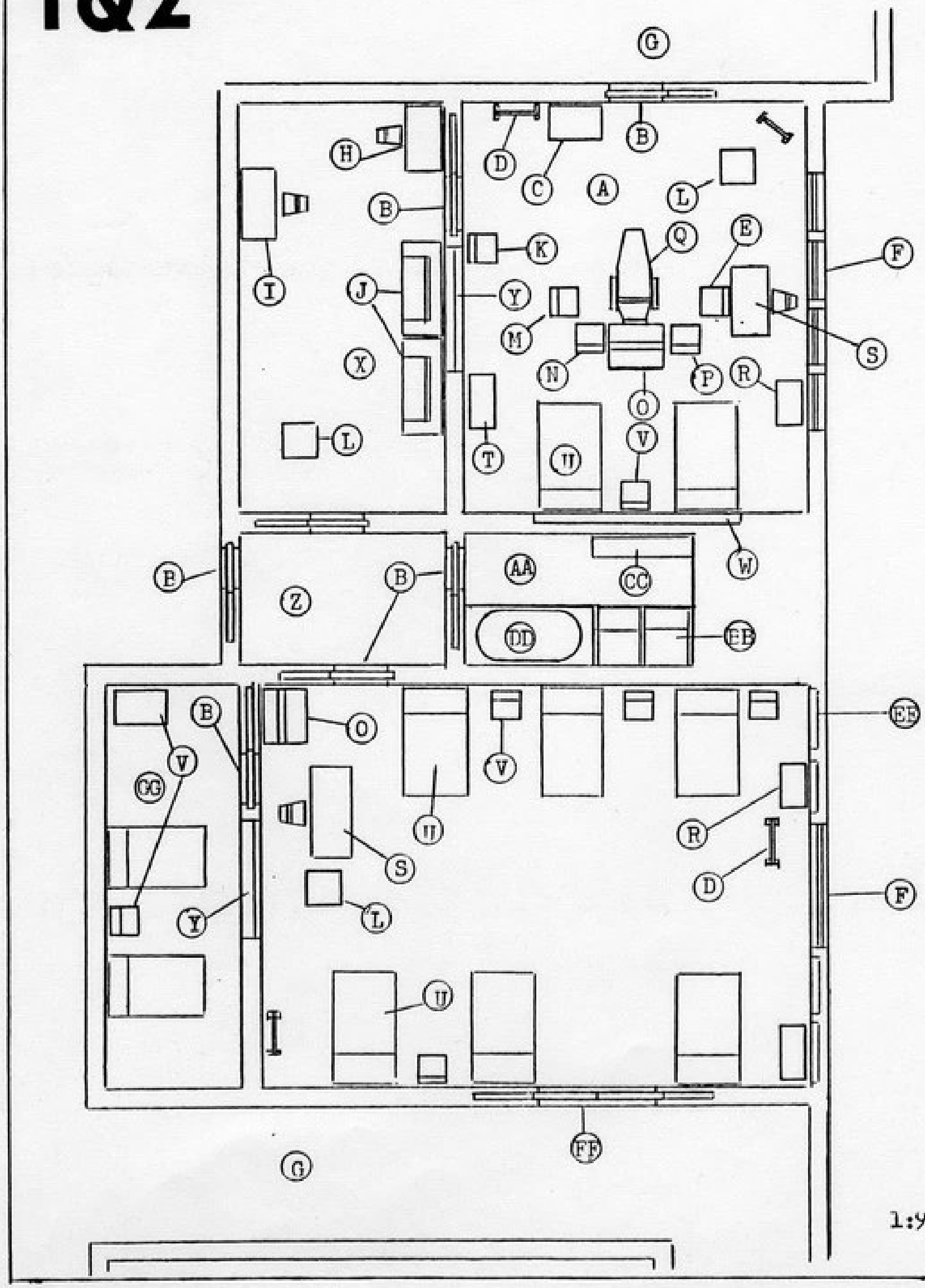
FEET

METERS

EMERGENCY UNIT 1&2



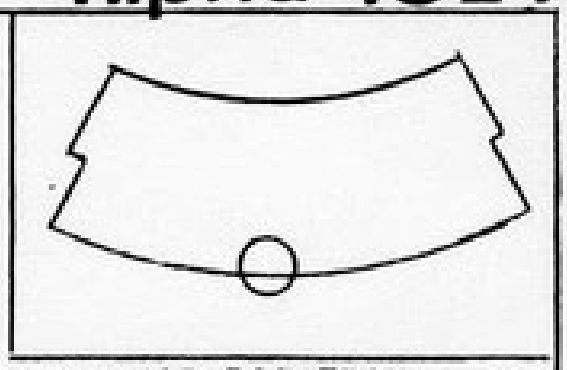
MOONBASE
LOCATION
LEVEL G
PLAN



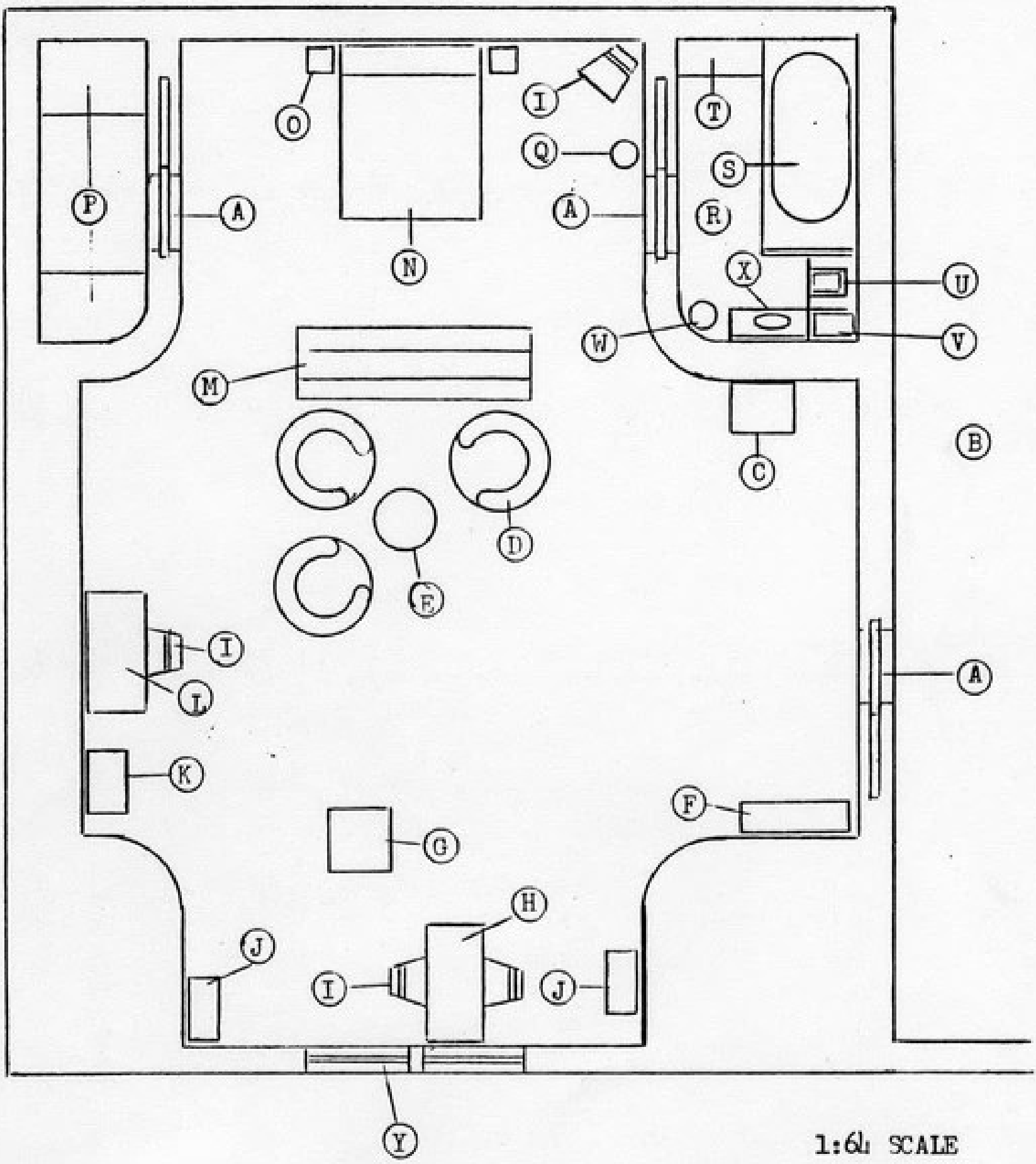
1:96 SCALE

LIVING UNIT

OFFICER ACCOMMODATIONS



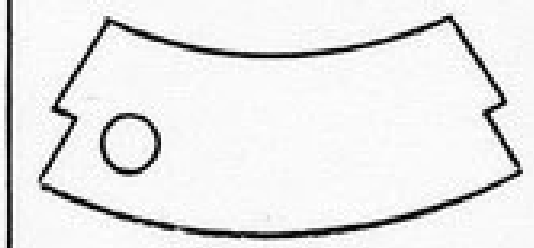
MOONBASE LOCATION
LEVEL G PLAN



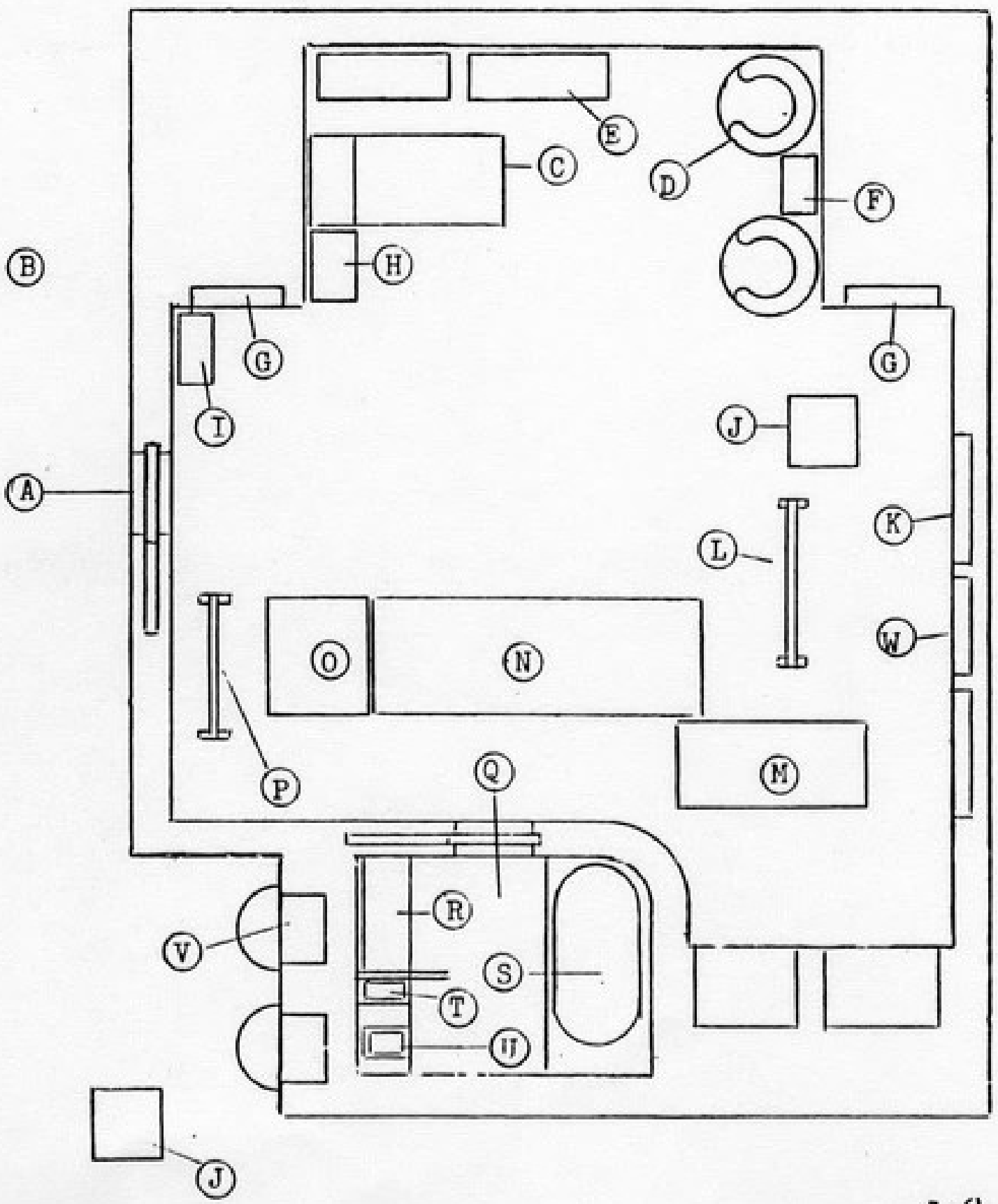
1:64 SCALE

LIVING UNIT

VISITOR ACCOMMODATIONS



MOONBASE LOCATION
LEVEL G PLAN



1:64 SCALE

Key

EMERGENCY UNIT 1&2 (ALPHA - 1023)

(A) UNIT 1
(B) SINGLE SLIDING DOOR (7)
(C) MEDICAL INSTRUMENT TABLE
(D) MEDICINE RACK (4)
(E) MOBILE CIRCUITRY UNIT
(F) EXTERIOR WINDOWS (5)
(G) CORRIDOR
(H) MEDICAL OFFICERS DESK & CHAIR
(I) DESK & CHAIR
(J) OBSERVATION ROOM MONITORING DESKS (2)
(K) MOBILE LIFE SUPPORT SCANNER
(L) COMMUNICATIONS POST
(M) MOBILE BODY SYSTEMS MONITORING UNIT
(N) MOBILE BRAIN WAVE MONITOR
(O) LIFE SUPPORT UNIT
(P) MOBILE MEDICAL SCANNER
(Q) EMERGENCY OPERATING TABLE
(R) MEDICINE TABLE
(S) MEDICAL OFFICERS DESK
(T) MOBILE MEDICINE CART
(U) BED (8)
(V) MOBILE MONITORING UNIT (7)
(W) MEDICAL COMPUTER
(X) OBSERVATION ROOM
(Y) OBSERVATION WINDOW
(Z) OBSERVATION ROOM/BATHROOM ENTRY FOYER
(AA) BATHROOM
(BB) TOILET (2)
(CC) SINK
(DD) BATHTUB
(EE) STORAGE SHELF
(FF) DOUBLE SLIDING DOOR
(GG) ISOLATION UNIT
(HH) UNIT 2
COMPLEMENT:
UNIT 1:
MEDICAL OFFICERS (2)
NURSES (2)
UNIT 2:
MEDICAL OFFICERS (2)
NURSES (3)
ORDERLIES (2)

LIVING UNIT (ALPHA - 1024)

(A) SINGLE SLIDING DOOR
(B) CORRIDOR
(C) PLANTER
(D) LOUNGE CHAIR (3)
(E) COFFEE TABLE
(F) SHELF UNIT
(G) COMMUNICATIONS POST
(H) CARD TABLE
(I) CHAIR (4)
(J) SPECIAL INTERESTS FILING UNIT (2)
(K) MOBILE SHELF UNIT
(L) DESK
(M) ROOM DIVIDER/SHELF UNIT
(N) BED
(O) END TABLE (2)
(P) WARDROBE
(Q) LAMP
(R) BATHROOM
(S) BATHTUB
(T) SHELF
(U) TOILET
(V) PLANTER
(W) WASTE CAN
(X) SINK
(Y) EXTERIOR WINDOWS (2)
COMPLEMENT:
OFFICER:(1)
MAXIMUM COMPLEMENT WITH MODIFICATIONS:
OFFICERS:(2)

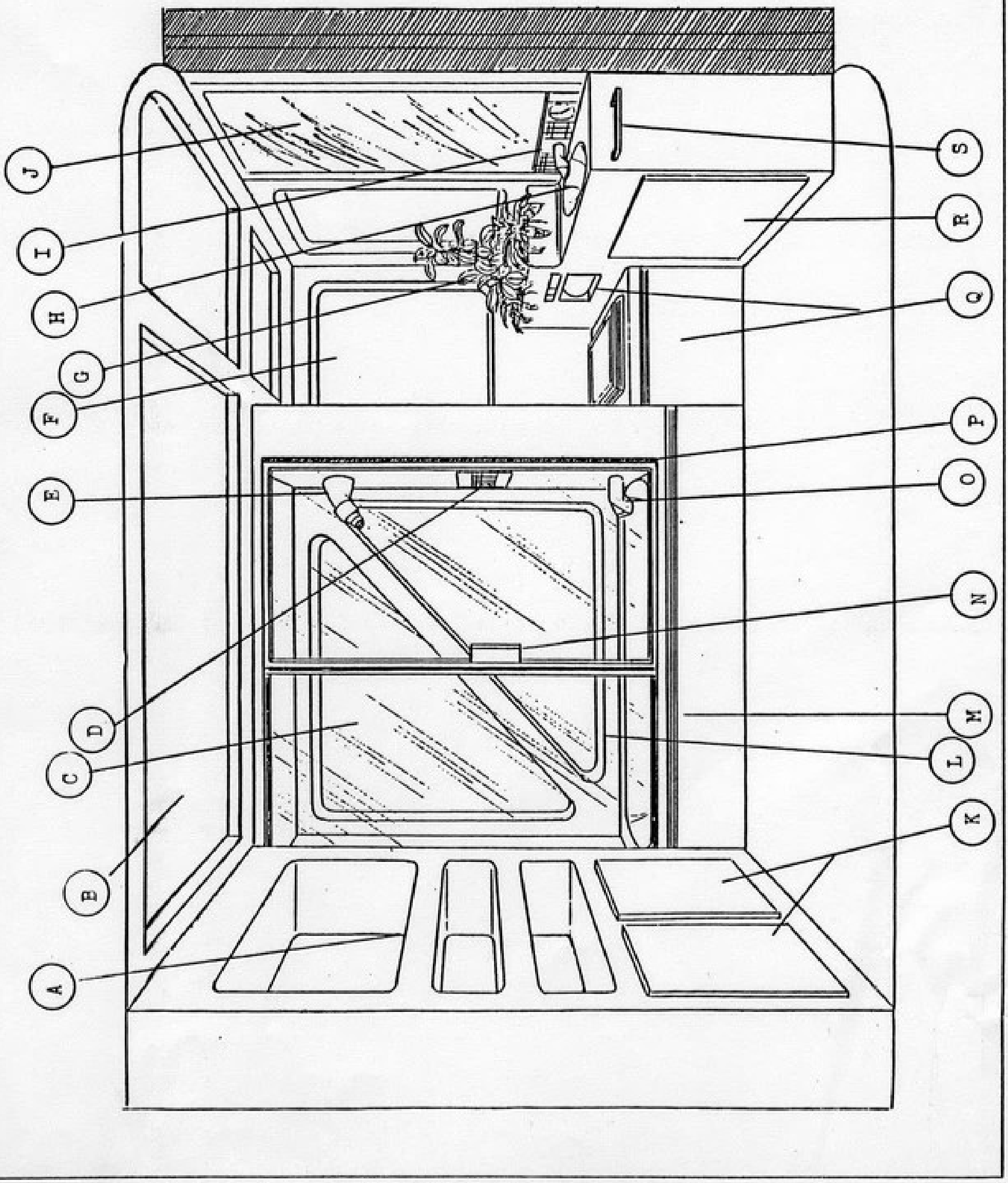
VISITORS LIVING UNIT (ALPHA - 1025)

(A) SINGLE SLIDING DOOR (2)
(B) CORRIDOR
(C) BED
(D) LOUNGE CHAIR (2)
(E) SHELF UNIT (2)
(F) TABLE UNIT
(G) WALL SHELF
(H) TABLE UNIT
(I) SHORT SHELF UNIT
(J) COMMUNICATIONS POST
(K) COMPUTER PANEL (2) *
(L) ACRYLIC MARKING BOARD *
(M) TABLE *
(N) DESK/WORK BENCH *
(O) MOONBASE ALPHA TABLE TOP MODLE *
(P) TACK BOARD *
(Q) BATHROOM
(R) SINK
(S) BATHTUB
(T) PLANTER
(U) TOILET
(V) WALL PHONES
(W) COMPUTER VIEW SCREEN *
COMPLEMENT:
OFFICER: (1)
MAXIMUM COMPLEMENT WITH MODIFICATIONS:
OFFICERS: (2)

* THESE ITEMS ADDED FOR PROF, VICTOR BERGMAN'S PRIVATE USE

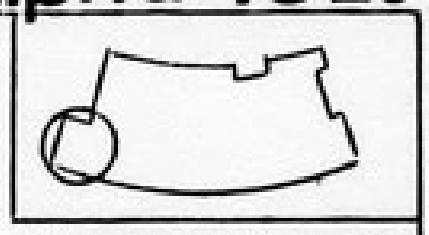
BATHROOM UNIT

OFFICERS QUARTERS

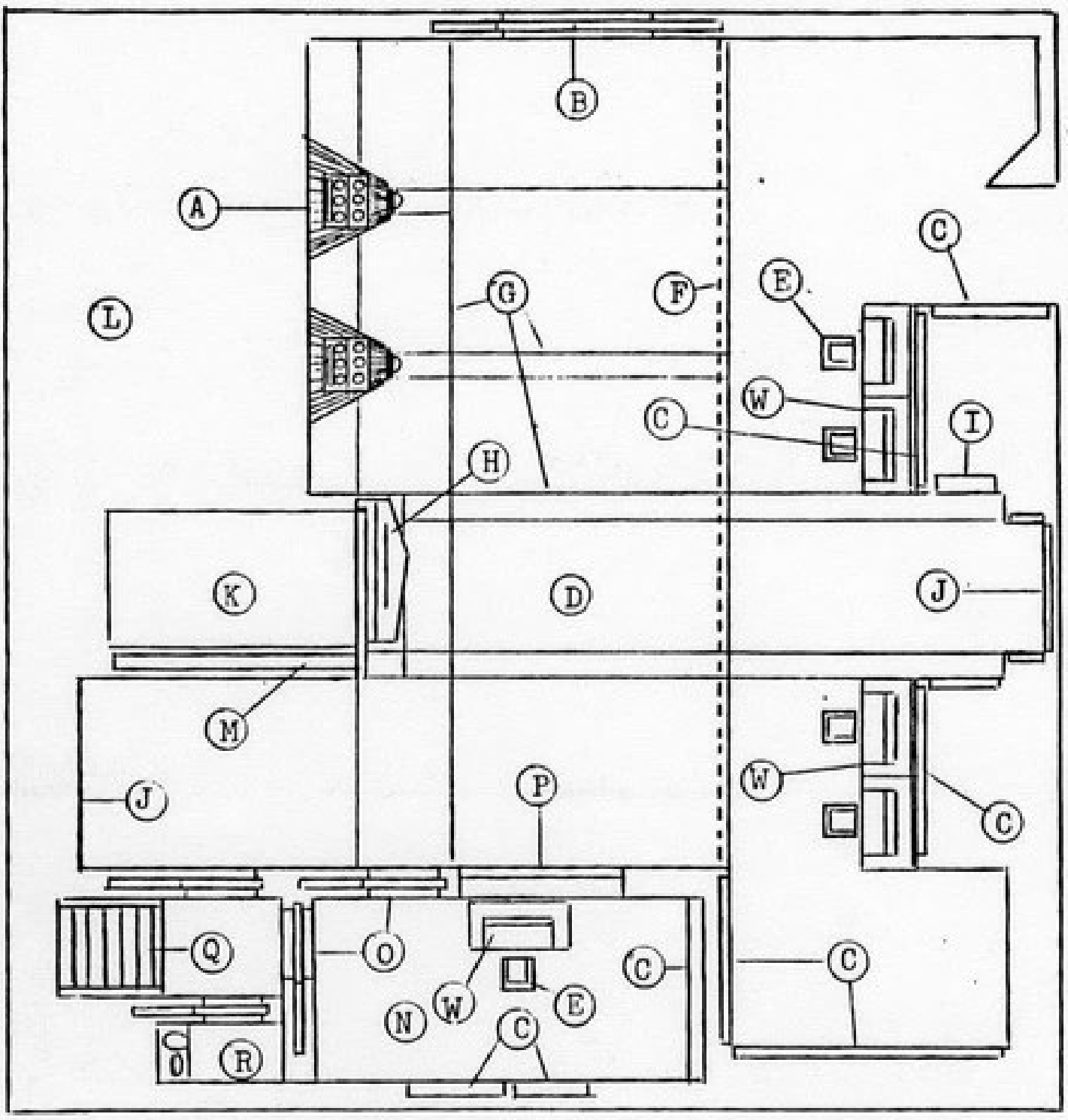


POWER

NUCLEAR GENERATING AREA THREE



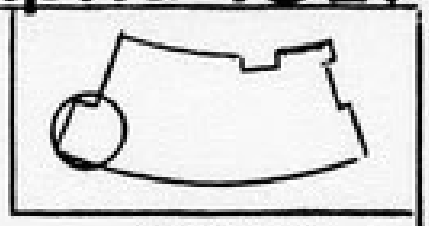
MOONBASE LOCATION
LEVEL H PLAN



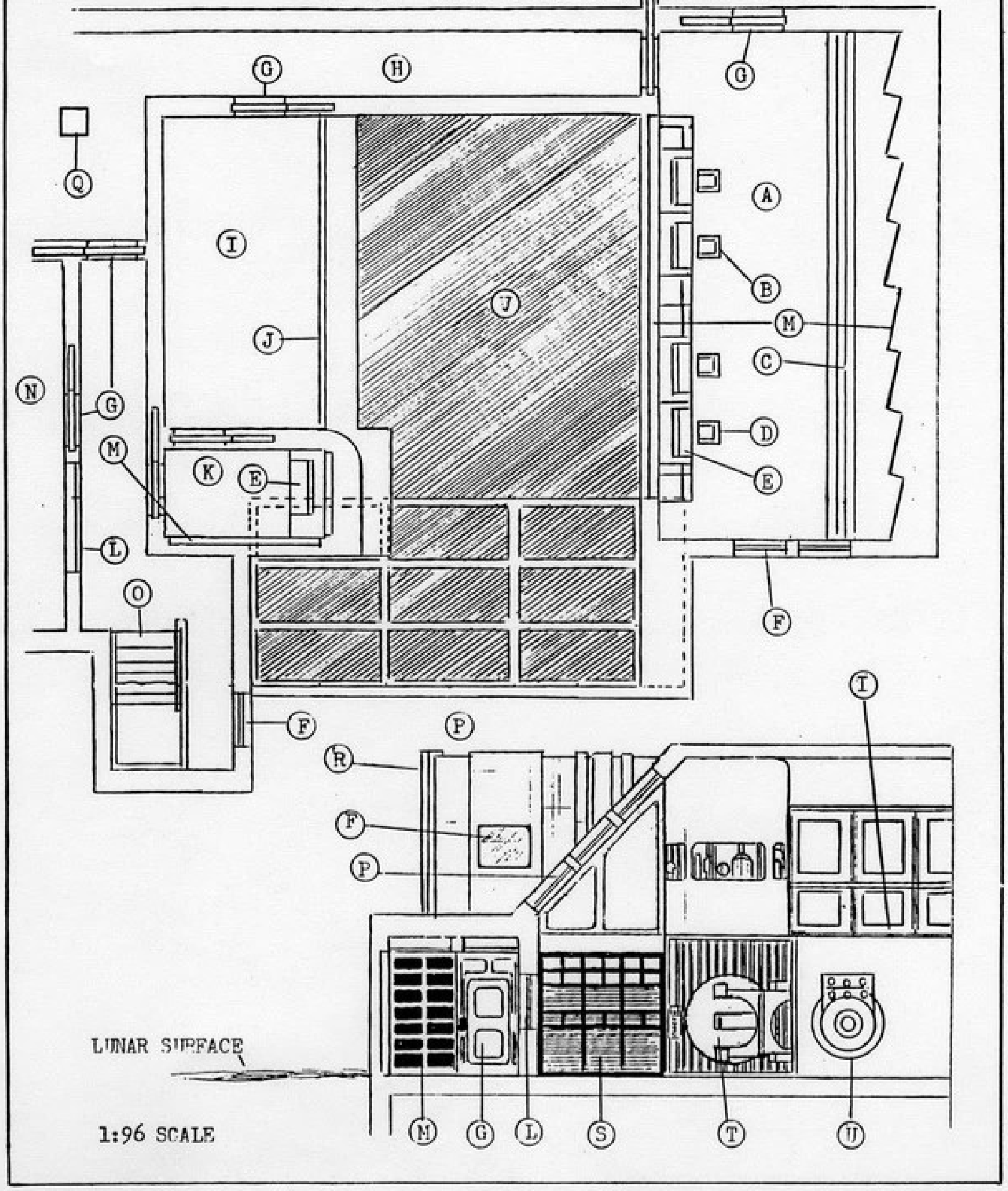
1:96 SCALE

POWER

GENERATING AREA THREE/UPPER LEVEL



LOCATION
LEVEL G PLAN



1:96 SCALE

KEY

BATHROOM (ALPHA - 1027)

(A) TOILETRY SHELF
(B) CEILING LIGHTING (3 PANELS)
(C) SHOWER WALL LIGHT
(D) SHOWER/FAUCET/SPA TOUCH CONTROLS
(E) SHOWER NOZZLE
(F) WALL LIGHT
(G) PLANTER
(H) SINK
(I) SINK TOUCH CONTROLS/LUNAR CHRONOMETER
(J) MIRROR
(K) STORAGE SPACE
(L) SHELF AREA
(M) TUB
(N) TUB/SHOWER DOOR & HANDLE
(O) FAUCET
(P) DOOR HINGE
(Q) TOILET/TISSUE DISPENSER/FLUSH CONTROLS
(R) CABNET
(S) TOWEL RACK

BATHROOM UNIT STYLES VARY IN SEVERAL DIFFERENT LIVING UNITS & MEDICAL UNITS AS FAR AS LAYOUT. BATHROOM UTILITIES ARE THE SAME THROUGHOUT THE MOONBASE COMPLEX.
THIS BATHROOM UNIT CAN BE FOUND IN THE LIVING UNIT OCCUPIED BY DR. HELENA RUSSELL.
(SEE ALPHA - 1024)

POWER/NUCLEAR GENERATING AREA THREE (ALPHA - 1028)

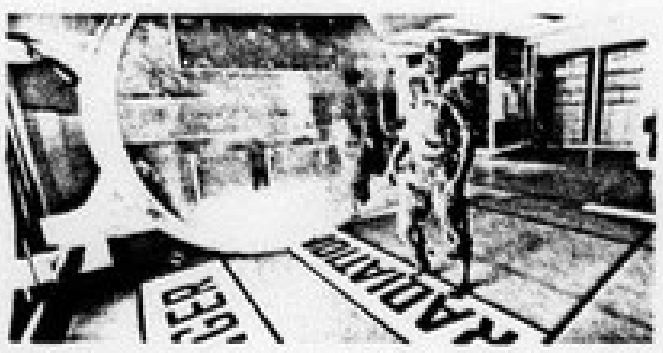
(A) RADIATION COUNT MONITOR DOME (2)
(B) ANTI RADIATION DOUBLE SLIDING DOORS
(C) COMPUTER
(D) NUCLEAR GENERATING AREA
(E) CHAIR (5)
(F) CEILING OUTLINE
(G) FLOOR WARNING MARKINGS
(H) REINFORCED DOOR
(I) DRINKS MACHINE
(J) FILING UNITS
(K) NUCLEAR REACTOR #6
(L) CONVERTER AREA
(M) CONTROL RODS
(N) NUCLEAR WASTE MONITORING ROOM
(O) SINGLE SLIDING DOOR (4)
(P) OBSERVATION WINDOW
(Q) STAIRS (UP)
(R) BATHROOM
(S) ACCESS WAY
(T) REACTOR CONTROL STATION
(U) POWER DISTRIBUTION STATION
(V) WASTE MONITORING STATION
(W) OPERATOR'S DESK

COMPLEMENT
POWER ROOM: TECHNICIANS: (3)
WASTE MONITORING ROOM:
TECHNICIAN: (1)

POWER/AREA THREE UPPER AREA (ALPHA - 1029)

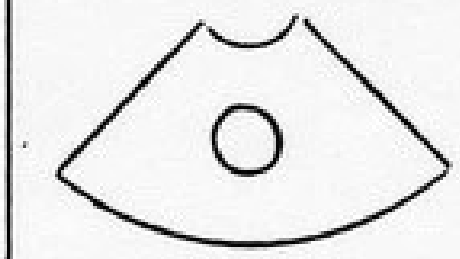
(A) ENVIRONMENTAL MONITORING STATION
(B) CHAIR (4)
(C) STAIRS (UP)
(D) CEILING OUTLINE
(E) MONITORING DESKS (4)
(F) EXTERIOR WINDOW
(G) SINGLE SLIDING DOOR (6)
(H) CORRIDOR
(I) BALCONY
(J) RAILING
(K) REACTOR MONITORING ROOM
(L) OBSERVATION WINDOW
(M) COMPUTER
(N) ANTI RADIATION GEAR STORAGE
(O) STAIRS (DOWN)
(P) EXTERIOR WINDOWS (9 CEILING PLATES)
(Q) COMMUNICATIONS POST
(R) EXTERIOR BUILDING
(S) FILING UNITS

(T) REACTOR DOOR
(U) RADIATION COUNT MONITOR DOME
(V) OPEN SPACE
COMPLEMENT:
ENVIRONMENTAL CONTROL ROOM:
TECHNICIANS: (3)
REACTOR MONITORING ROOM:
TECHNICIAN: (1)

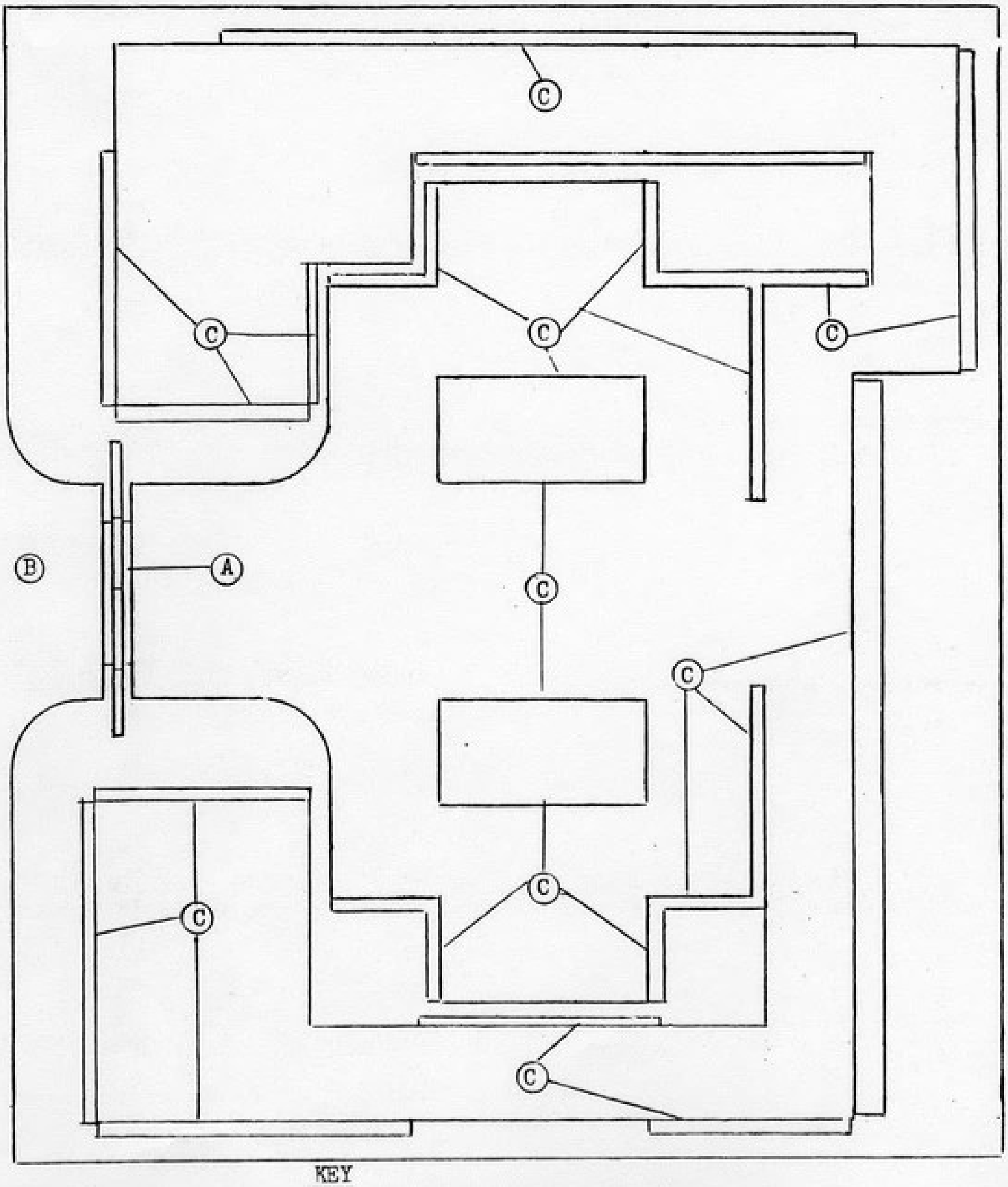


MAIN COMPUTER

CENTRAL CORE CONTROL ROOM



MOONBASE LOCATION



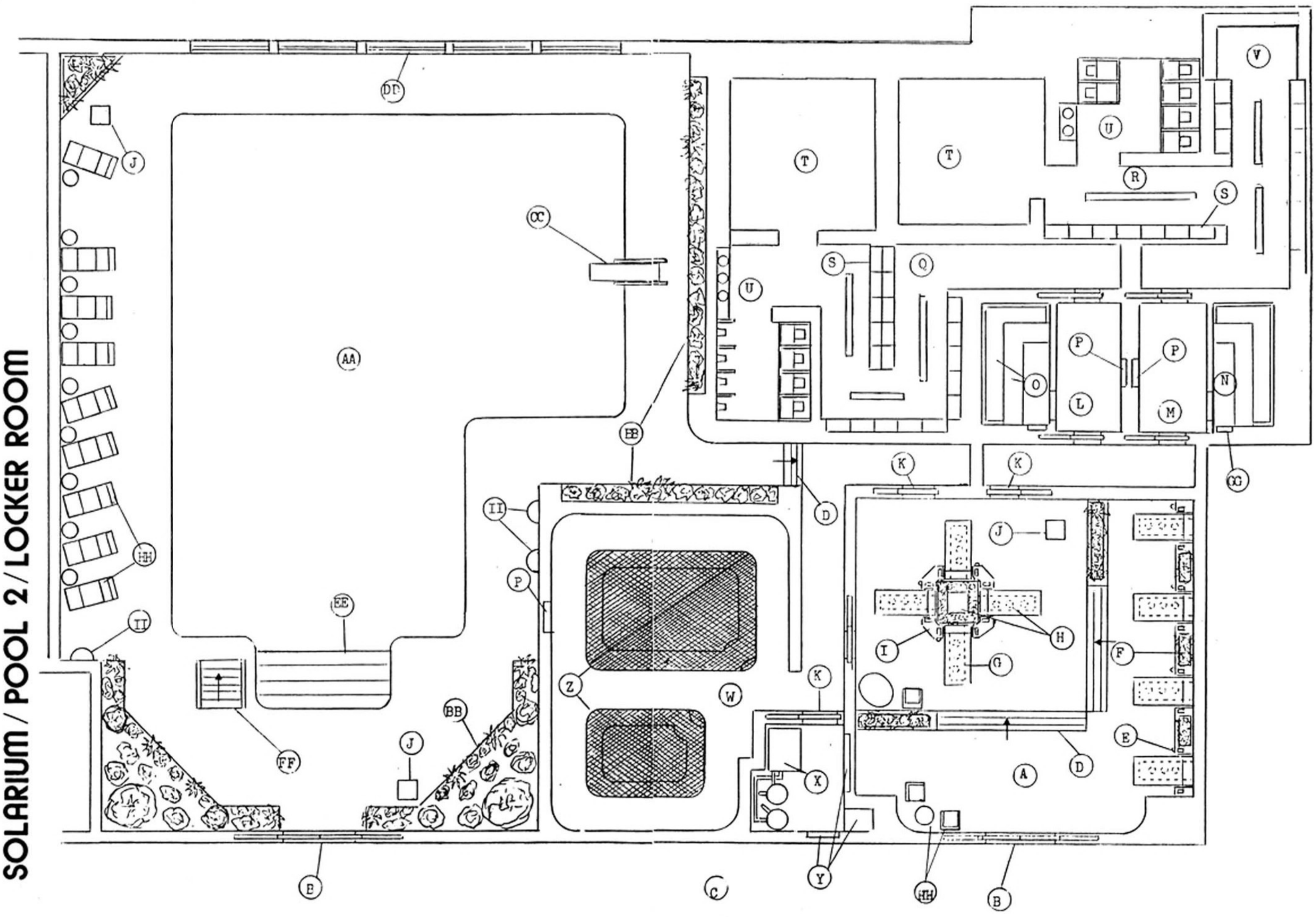
KEY

(A) DOUBLE SLIDING DOORS
(B) CORRIDOR
(C) COMPUTERS

LEVEL H PLAN

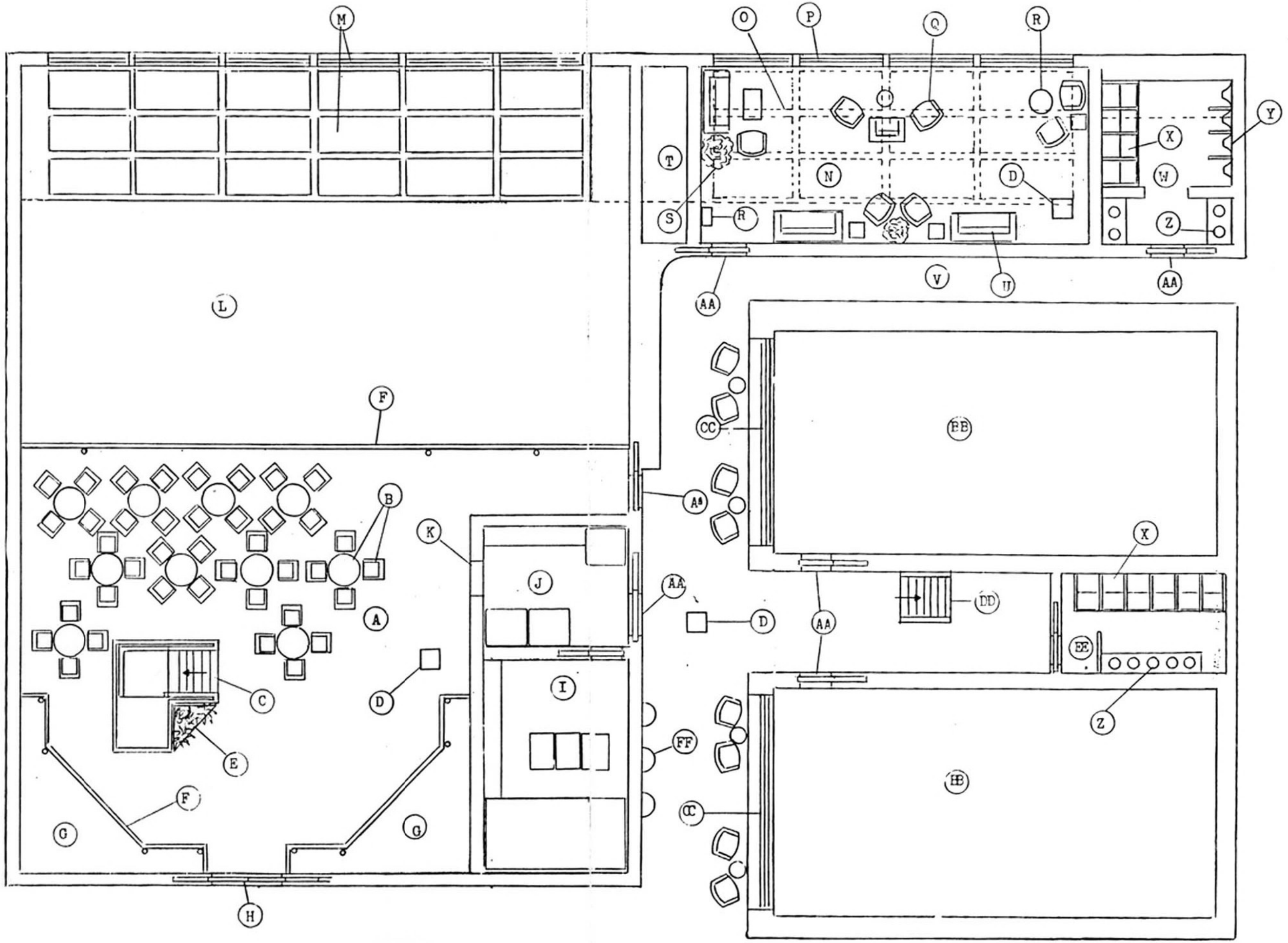
RECREATION / SECTION C

SOLARIUM / POOL 2 / LOCKER ROOM

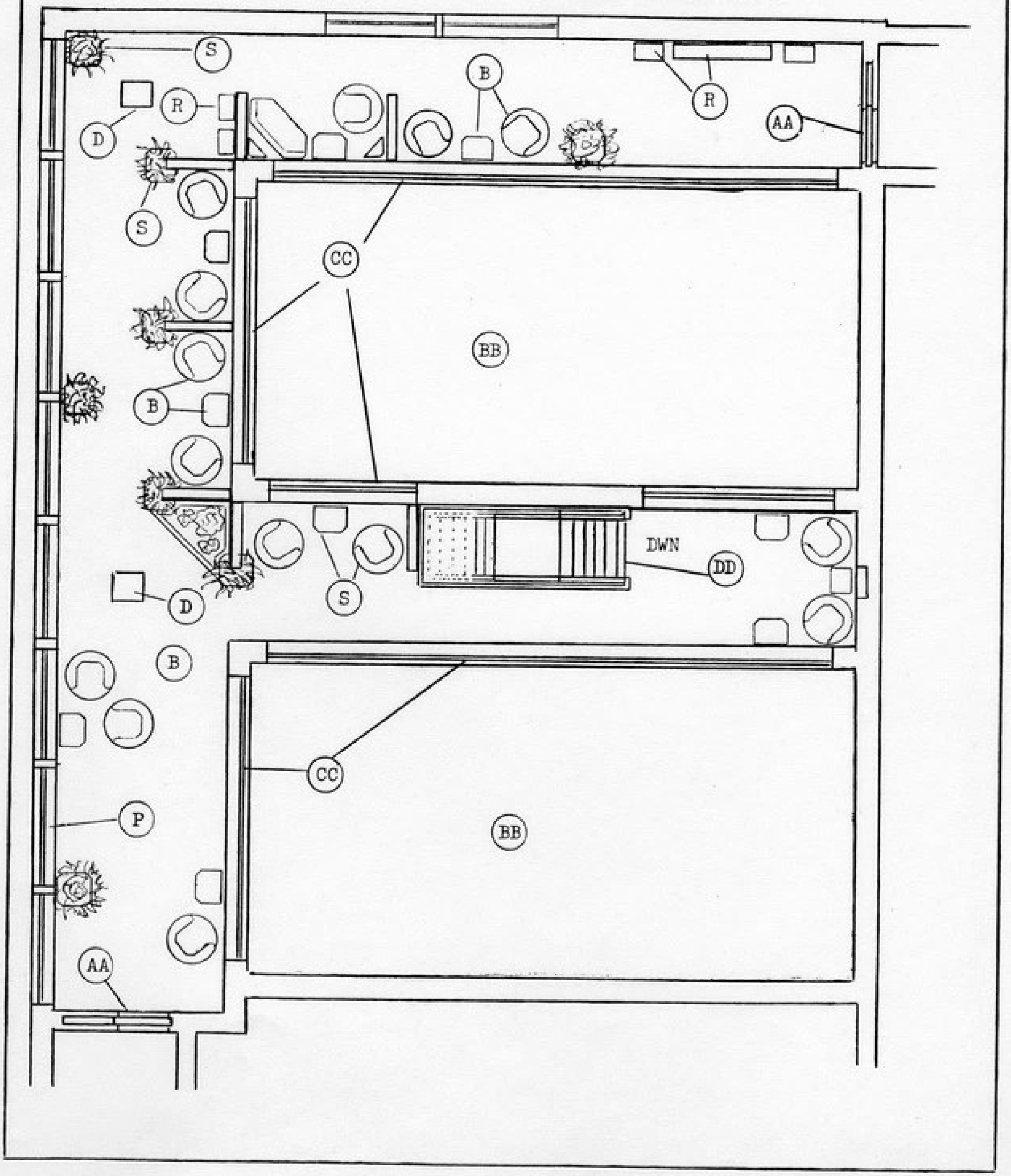


RECREATION / SECTION C

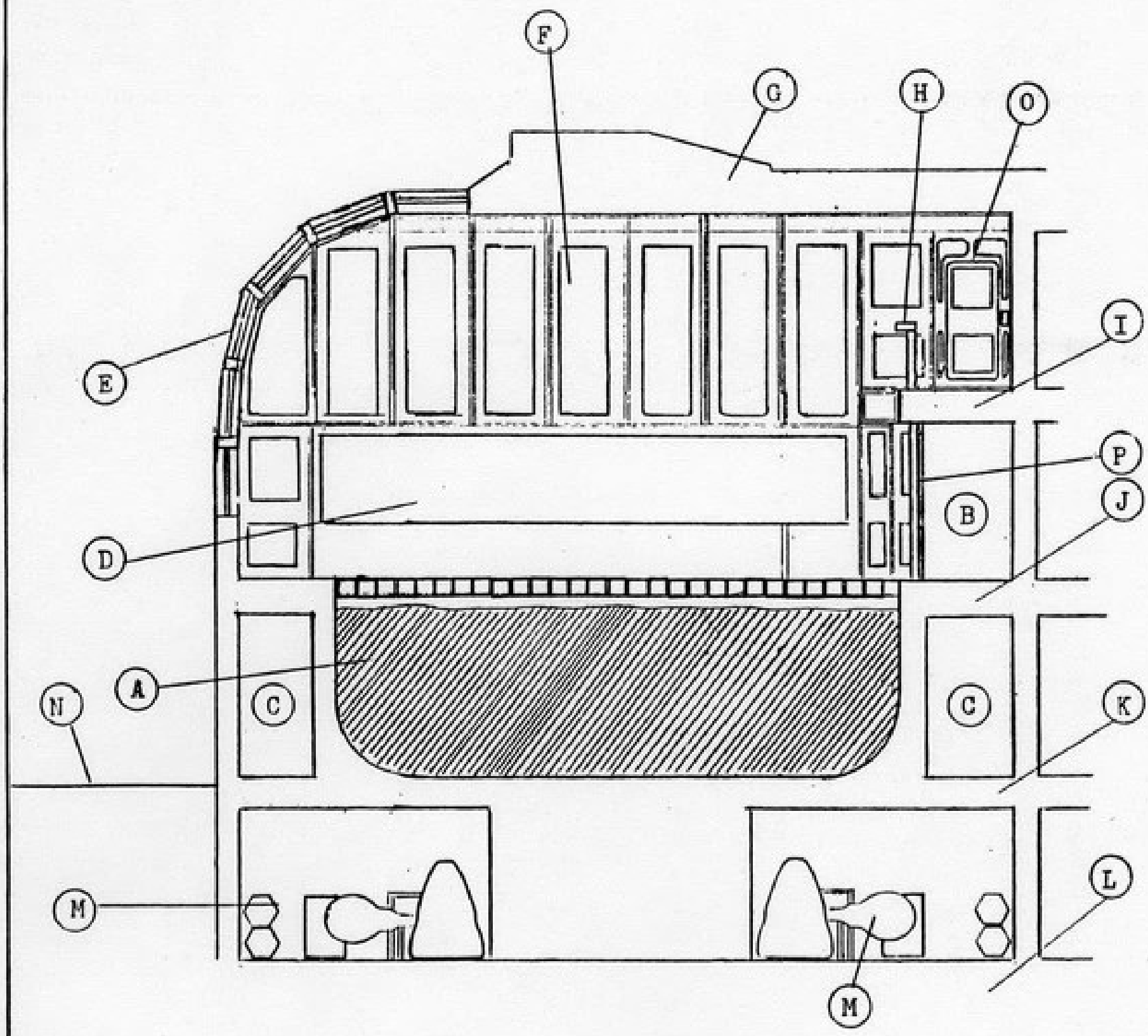
POOL BALCONY / DELI / RAQUETBALL COURT / SKYLITE LOUNGE



RECREATION RACQUETBALL BALCONY



POOL 2
CROSS SECTION



KEY

(A) POOL
(B) CORRIDOR TO SOLARIUM & SAUNA
(C) POOL MAINTENANCE CORRIDOR
(D) WALL PLANTER
(E) EXTERIOR WINDOWS
(F) WALL LIGHT
(G) VENTILATION DUCTS
(H) BALCONY RAILING
(I) BALCONY (LEVEL F)
(J) SUN DECK (LEVEL G)
(K) LEVEL H)
(L) LEVEL I
(M) POOL PUMPS
(N) LINAR SURFACE
(O) SINGLE SLIDING DOOR
(P) BALCONY SUPPORT POLE

Key

RECREATION AREA/SOLARIUM-POOL-LOCKER ROOM KEY (ALPHA-1032)

(A) SOLARIUM
(B) DOUBLE SLIDING DOOR (?)
(C) CORRIDOR
(D) STAIRS (DOWN)
(E) HEAD SET FOR MUSIC SELECTOR
(F) PLANTER
(G) COUCH BED
(H) SUNLAMP POWER UNIT/SUNLAMP UNIT (ABOVE COUCH-OUTLINED)
(I) SUNLAMP CONTROL UNIT
(J) COMMUNICATIONS POST
(K) SINGLE SLIDING DOOR
(L) MEN'S SAUNA AND ENTRY TO LOCKER ROOM
(M) WOMEN'S SAUNA AND ENTRY TO LOCKER ROOM
(N) SAUNA DOOR
(O) SEATING AREA
(P) COMMUNICATIONS POST
(Q) MEN'S SHOWER ROOM
(R) WOMEN'S SHOWER ROOM
(S) LOCKERS
(T) SHOWER AREA
(U) BATHROOM
(V) VANITY AREA
(W) SPA AREA
(X) SPA PUMPS/FILTERS
(Y) STORAGE SHELFS
(Z) SPAS
(AA) POOL #2
(BB) PLANTER AREA
(CC) DIVING BOARD
(DD) OBSERVATION WINDOWS
(EE) STEPS
(FF) STAIRS TO BALCONY (UP)
(GG) SAUNA CONTROLS
(HH) LOUNGE CHAIRS/TABLES
(II) WALL PHONES

COMPLEMENT:
SAUNA: PERSONS (5)
LOCKER ROOMS: PERSONS (20)
SOLARIUM: PERSONS: (14)
SPA: PERSONS: (20)
POOL: PERSONS (50)

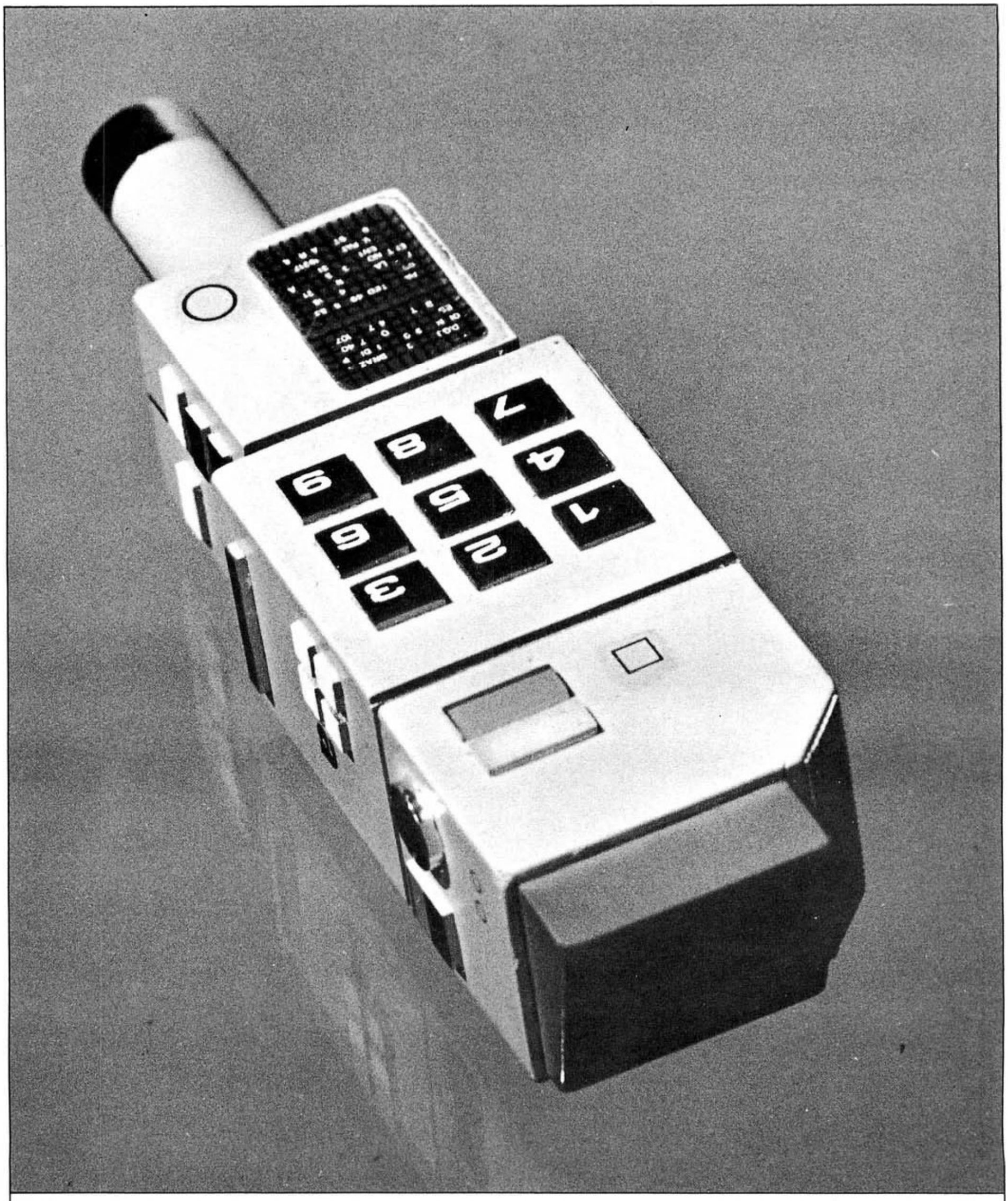
RECREATION AREA/DELI-RAQUETBALL COURT (ALPHA-1033 - 1034)

(A) POOL BALCONY PAVILION
(B) TABLES AND CHAIRS
(C) STAIRS (DOWN)
(D) COMMUNICATIONS POST
(E) PLANTER
(F) BALCONY RAILING
(G) OPEN SPACE
(H) DOUBLE SLIDING DOORS
(I) DELI FOOD STORAGE
(J) DELI FOOD PREPERATION AREA
(K) SERVICE WINDOW
(L) OPEN SPACE ABOVE POOL
(M) OBSERVATION SKYLITE
(N) SKYLITE LOUNGE
(O) OBSERVATION WINDOW OUTLINE
(P) OBSERVATION WINDOW
(Q) LOUNGE CHAIRS (7)
(R) TABLE UNIT (6)
(S) PLANT
(T) DUCT AREA
(U) OVER SIZED LOUNGE CHAIRS (4)
(V) CORRIDOR
(W) MEN'S RESTROOM
(X) TOILET
(Y) URINAL
(Z) SINKS
(AA) SINGLE SLIDING DOOR (8)
(BB) RAQUETBALL COURTS (2)
(CC) OBSERVATION WINDOW
(DD) OBSERVATION BALCONY STAIRS (UP)
(EE) WOMEN'S RESTROOM
(FF) WALL PHONES (3)

COMPLEMENT:
PAVILION: PERSONS: (40)
SKYLITE LOUNGE: PERSONS: (13)
RAQUETBALL COURT AREA: PERSONS (12)

THE RECREATION AREA IS OPEN TO ALL OFF DUTY PERSONNEL ON EVERY SHIFT

Series 2000



HARDWARE

GENERAL INFORMATION

The Commlock -- Portable Communication and Locking Device is a hand-held,multi-function sensor/computer/transceiver designed for use on Moonbase Alpha and most extraterrestrial space centers. Carried on the belt, it functions as a security key (restricting access to sensitive and command areas), a transponder (instantly pinpointing the location of its carrier), an audio/visual communications unit, and a programmable computer.

The Commlock's "key tone," individually set for all duty personnel, allows its owner passage into areas appropiate to his rank, position, and security clearance -- in most cases, these are limited to duty stations, living quarters, sanitary facilities, recreation areas,and dining centers. Command and Security personnel have unlimited access with their Commlocks, but computer control of doors as directed by the Moonbase Commander and Chief of Security overrides all Commlock frequencies.

The Commlock accepts either keyboard or voice programming, and in addition to its twenty standard functions (a maximum of four may be used at one time, unless the unit is plugged into a desk-top receiver (putting it in direct contact with the main computer) it has several programmable modes:

In Communications Mode, the keyboard can address any other Commlock, Communication Post, or Intercommunication Unit within its range.

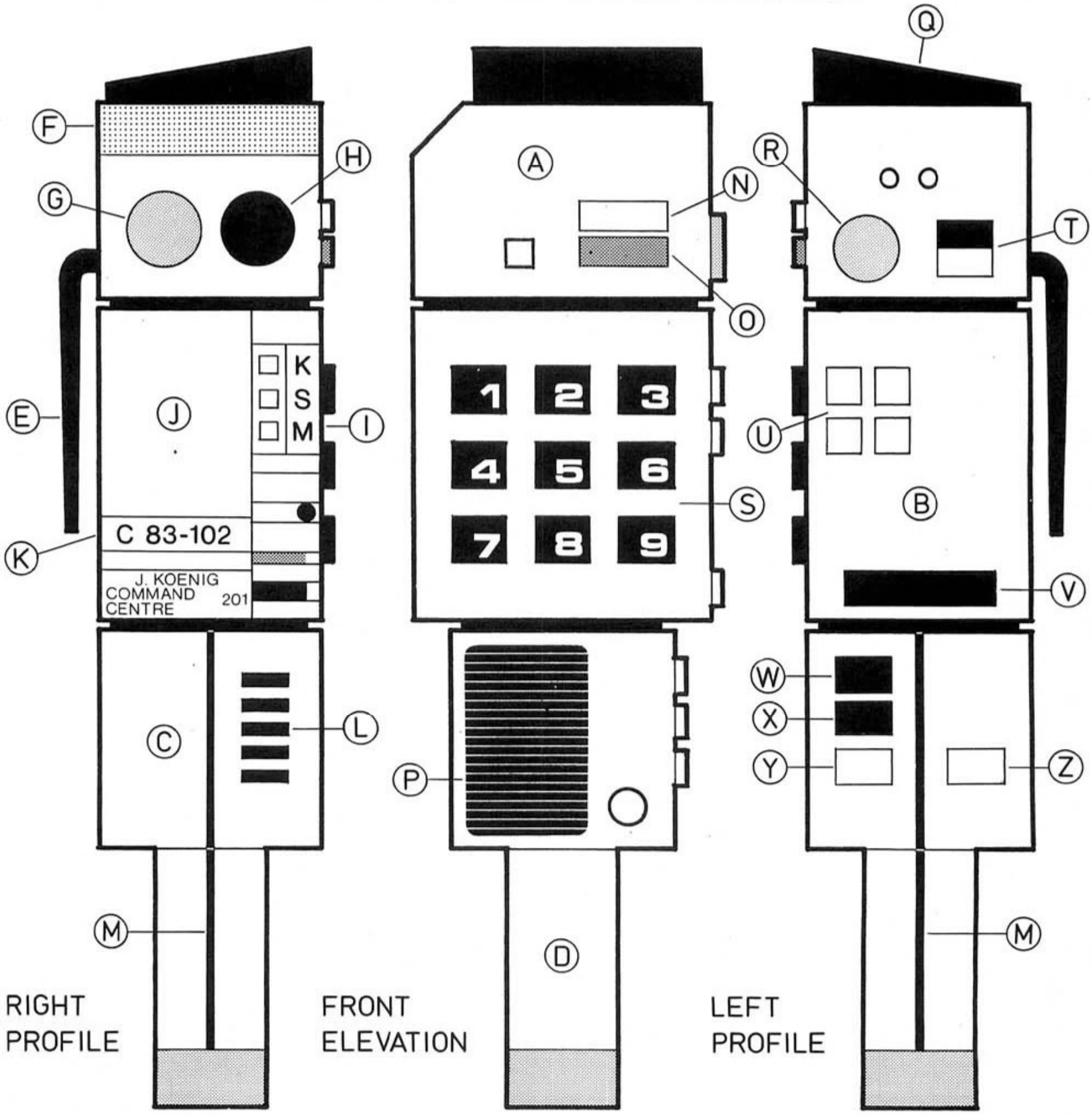
In Calculator Mode, the Commlock functions as a logarithmic calculator; the keyboard and calculator function keys provide number and operation entry, with the result displayed on the video screen.

In Computer Mode, the unit acts as a remote terminal of Alpha's main computer banks, and allows the user to retrieve, execute and store programs, draw information from the library computer banks, or transmit data.

A Commlock is never deactivated, except during repair, and is available on a 24-hour basis for emergency calls. When the Privacy Setting is activated, the Commlock screens out all routine and personal calls. The Restricted Setting (on Command Commlocks only) limits reception to security transmissions and official communiques.

COMMLOCK

COMMUNICATIONS/LOCKING DEVICE



COLORS:

- LIGHT GRAY
- SILVER
- RED
- BLACK

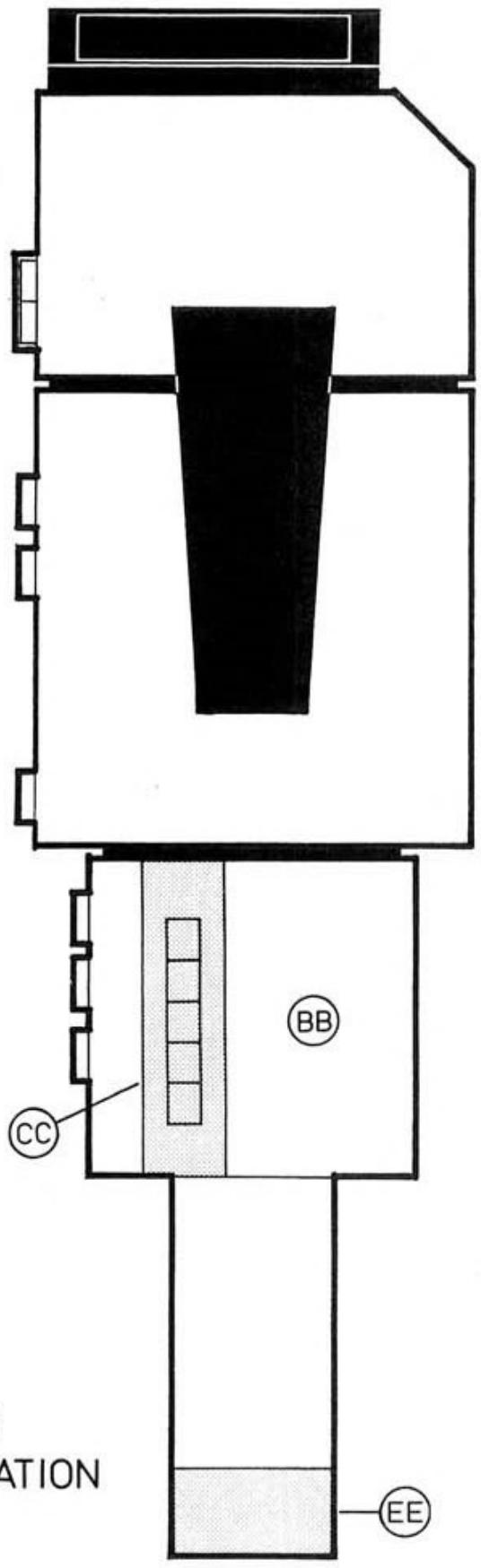
INCHES

CENTIMETERS

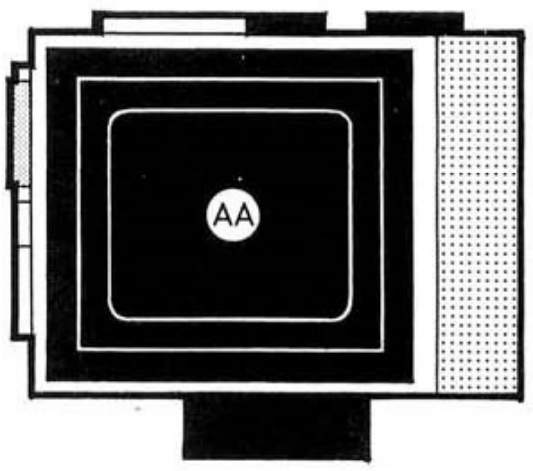
actual size

COMMLOCK

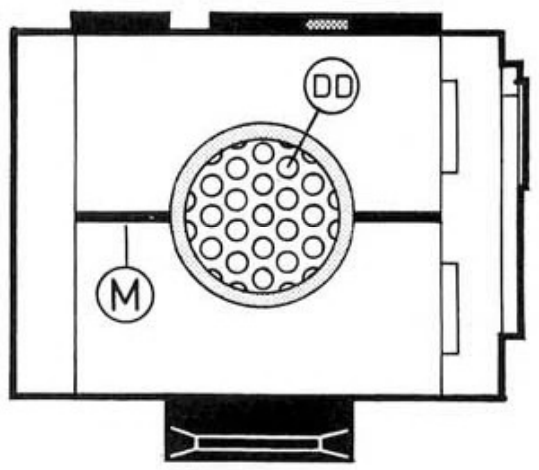
REAR ELEVATION/TOP & BOTTOM PLANS



REAR ELEVATION



TOP PLAN



BOTTOM PLAN

COLORS:

- LIGHT GRAY
- SILVER
- RED
- BLACK

INCHES

CENTIMETERS

actual size

KEY

A-R: Physical Features

(A) Video section
(B) Programming section/Computer section
(C) Power pack/Transmitter
(D) Antenna
(E) Belt clip
(F) Speaker
(G) Microphone
(H) Volume Ajustment
(I) Owner identification panel
(J) Owner photograph
(K) Commlock number
(L) Power pack vent
(M) Sensor scan strips (2)
(N) "Standby" indicator light
(O) Red alert indicator light
(P) Computer input/display screen
(Q) Magnetic Computer Identification Panel
(R) Picture adjustment control

S-Z: Function Keys

(S) Keyboard
  1-Emergency alarm
  2-Lunar clock
  3-Air pressure gauge
  4-Infrared TV camera
  5-Geiger counter
  6-Thermometer
  7-Privacy setting
  8-Restricted setting (emergency calls only)
  9-"Hold" key
(T) Video on/off key and open/close communications key (normally activated together)
(U) Calculator function keys (4)
(V) "Zero" key
(W) Calculator mode key
(X) Computer mode key
(Y) Call key (communications mode)
(Z) Door open/close key
(AA) Video screen (pickup behind screen)
(BB) Power pack access plate
(CC) Recharging grid
(DD) Broadcast antenna
(EE) Desk stand activator strip

Length: 1.83 in (4.64 cm)
Width: 2.08 in (5.28 cm)
Height: 7.09 in (18.02 cm)
Weight: 0.88 lb (400 g)

Effective Range: 2 miles (3.22 km)
  Channeled Through Eagle or Moonbase Communication Systems:
    50 Million Miles (80.95 million km)

Dr. Helena Russell operates her Commlock.

GENERAL INFORMATION

The Stun Gun is a compact, lightweight weapon carried by all Moonbase security details and aboard Eagle Transporters as standard equipment. The gun is worn in a holster on the uniform belt, and meets most of the defensive/offensive requirements of Alpha personnel. Its power source is the Bergman Cell (designed by Professor Victor Bergman), a monopolar electromagnet about ten centimeters long. The unit can be fired continuously for approximately two hours, at which time the cell can be removed and replaced with a new one.

Multi-barreled to give the gun a variety of functions, the first barrel is the one normally employed.

The Model 1 gun is permanently set to fire the "stun effect". Carried by authorized Moonbase personnel, when fired, it affects the central nervous system causing slowed heartbeat and respiration, unconsciousness, and with countinued application, cardiac arrest and death.

The Model 2 weapon is equipped with a "stun/kill" setting selector. Carried only by security teams and survey parties, the weapon, on the "kill" setting, fires a short-duration charge of sufficient force to penetrate protective clothing and cause massive internal damage.

The three auxiliary barrels generate a continuous laser beam as long as the trigger is depressed, and should not under any circumstances be used on an individual or in the proximity of a pressure bulkhead. Barrel 2 fires a micron-thick "torch" beam suitable for cutting and welding plastic or sheet metal. Barrel 3 fires a more intense beam for penetrating rock and metal walls and Barrel 4 fires a wide-focus beam for disintegrating metal, concrete or stone at close range (protective clothing should be worn when Barrel 4 is used). Without special modification, all barrels cannot be fired simultaneously.

Coded scan strips on each unit prevent unauthorized use or transportation into a prohibited area. Computer detection equipment installed over doorways compares guns with registry files and the owner's current status, and triggers an alarm in the Weapons Section if any discrepancy is detected.

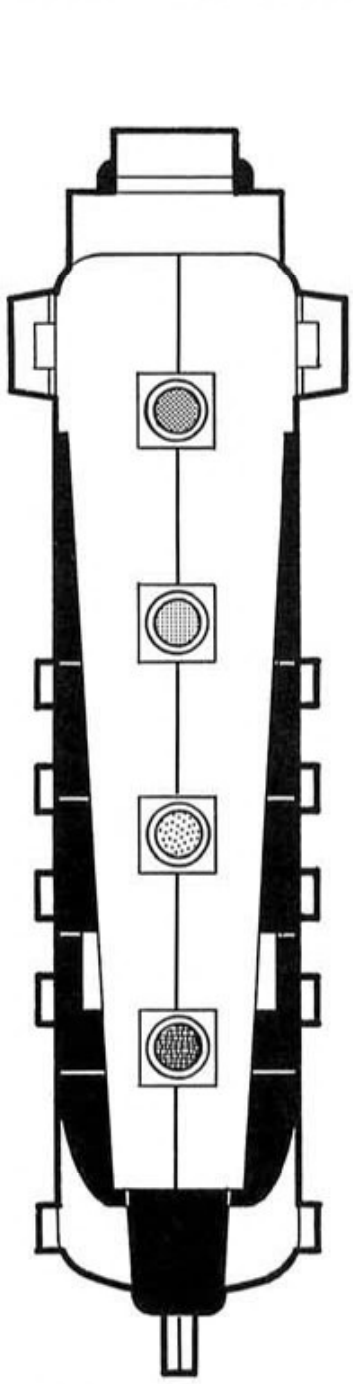
Key

(A) Circuitry Section
(B) Laser Output Section
(C) Replaceable Power Cell
(D) Barrels (4)
(E) "Stun/Kill" Setting Selector (Model 2 Only)
(G) Grip
(H) Barrel Selector Dial
(I) Barrel Selection Indicators (4 - Illuminated When Trigger is Depressed with Safety On)
(J) Firing Safety
(K) "Kill" Setting Safety
(L) Power Cell Removal Release
(M) Activation Button
(N) Magnetic Scan Strips (4)
(O) Body Release (Pull Down)
(P) Body Seam

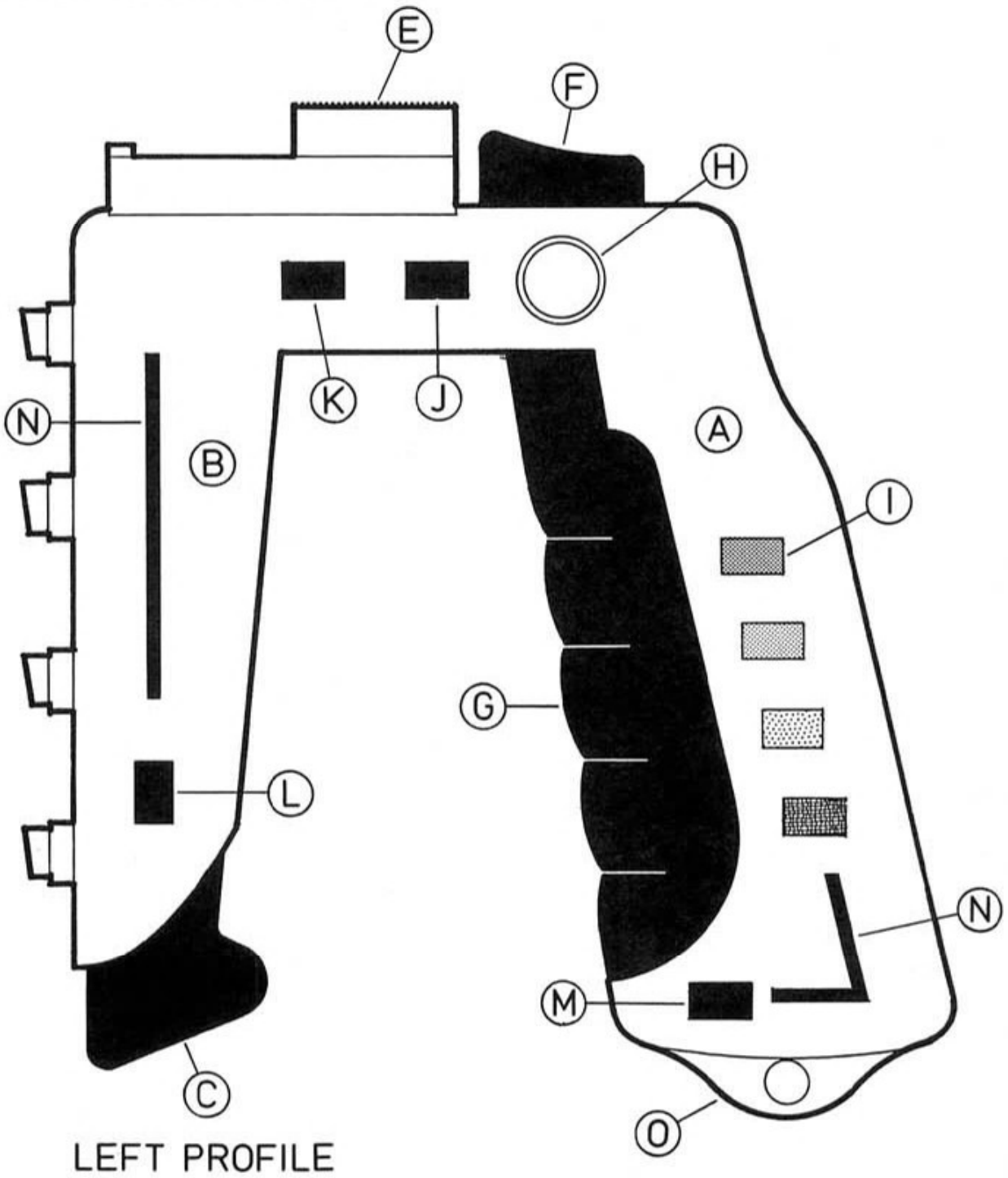
Length: 4.69 in (11.91 cm)
Width: 1.38 in (3.49 cm)
Height: 5.13 in (13.02 cm)
Weight: 0.88 lb (400 g)
Effective Range:
Stun -- 150 ft (45.72 m)
Kill -- 90 ft (27.43 m)
Barrel 2 -- 0.75 ft (0.22m)
Barrel 3 -- 9 ft (2.74 m)
Barrel 4 -- 15 ft (4.57 m)

STUN GUN

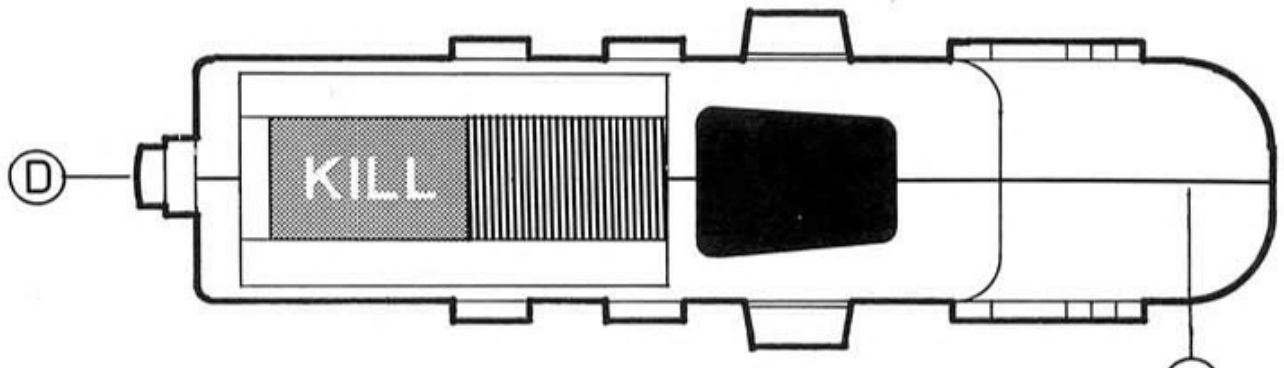
LASER WEAPON MODEL 2



FRONT
ELEVATION



LEFT PROFILE



TOP PLAN

COLORS:

	SILVER		YELLOW
	RED		GREEN
	BLACK		BLUE

INCHES

CENTIMETERS

actual size

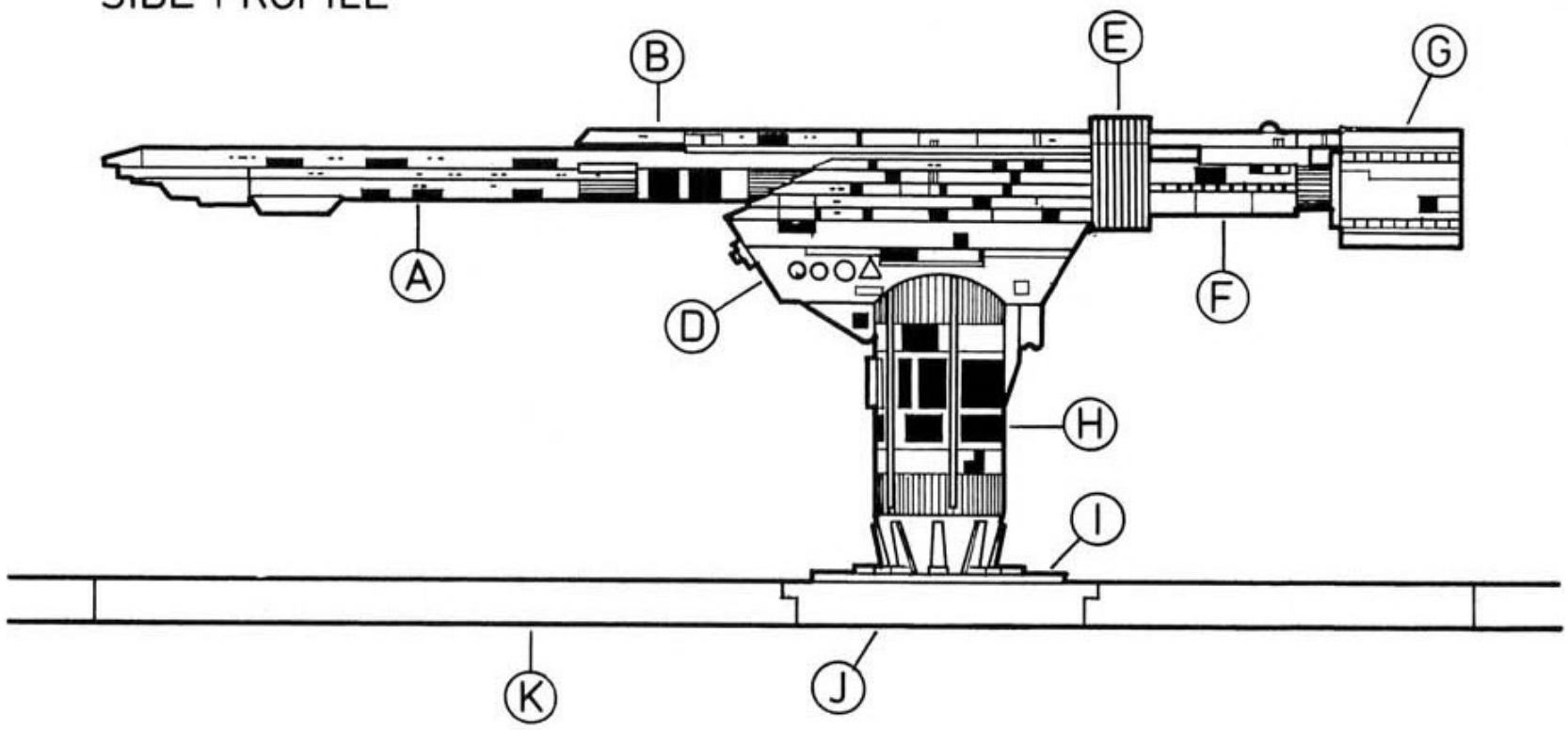
LASER CANNON

MAIN DEFENSIVE BATTERY

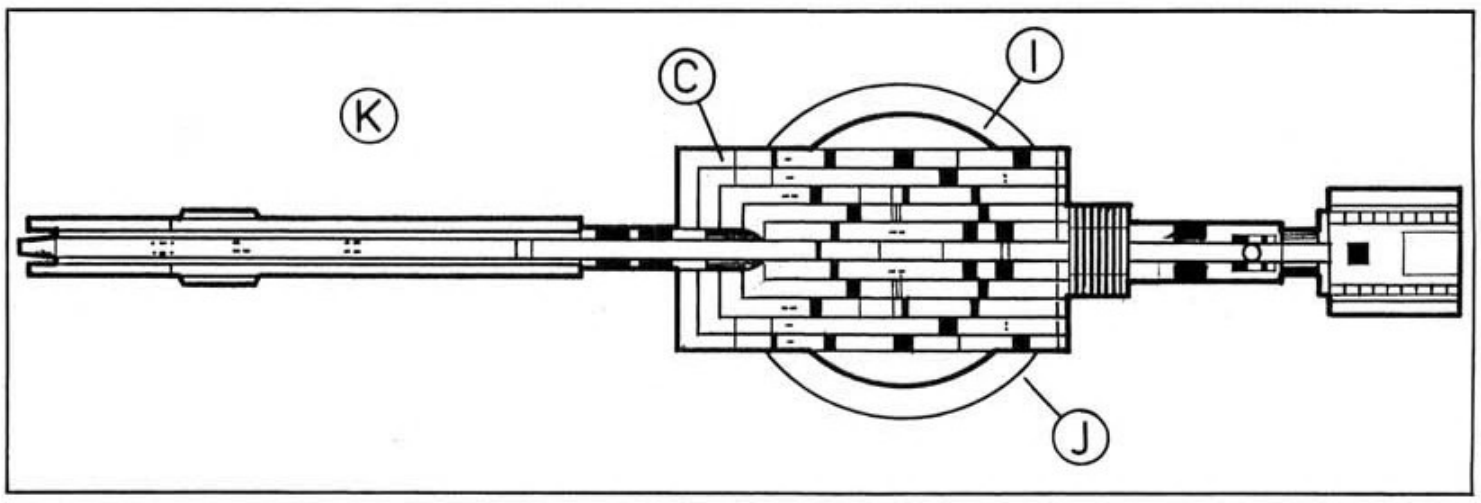
KEY

(A) Barrel
(B) Targeting Sensor
(C) Heat Dissipation Panels
(D) Servomotor Assembly
(E) Photon Amplification Cells
(F) Laser Source
(G) Nuclear Power Pack
(H) Support Pedestal
(I) Base
(J) Turntable (Swivels 360°)
(K) Elevator

SIDE PROFILE



TOP PLAN



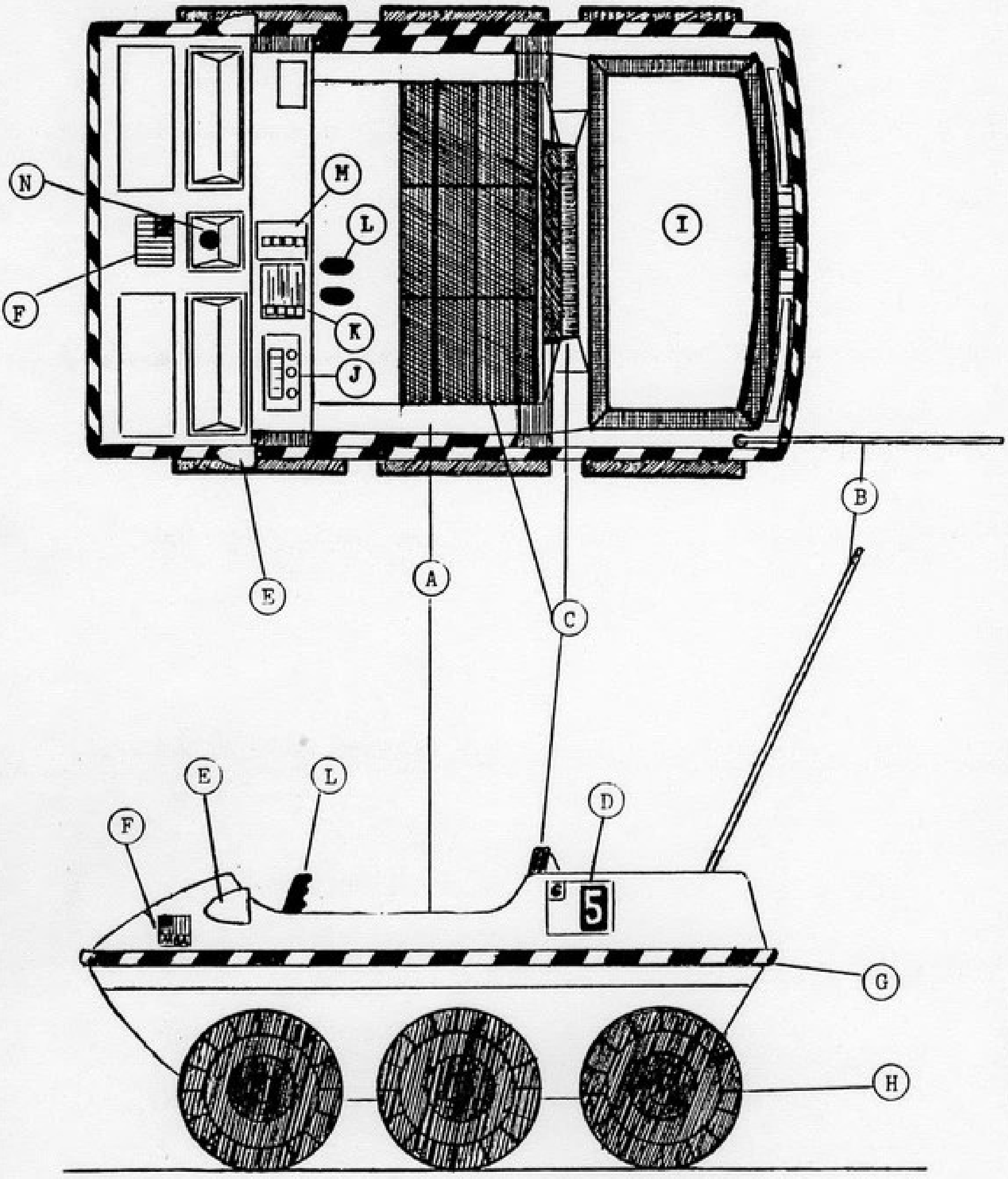
Length: 70.75 ft (21.57 m)
Width: 9.91 ft (3.02 m)
Height: 24.29 ft (7.4 m)
Silo Length: 96 ft (29.26 m)
Silo Width: 48 ft (14.63 m)
Silo Height: 32 ft (9.75 m)
Effective Range: 100 miles (161 km)

FEET

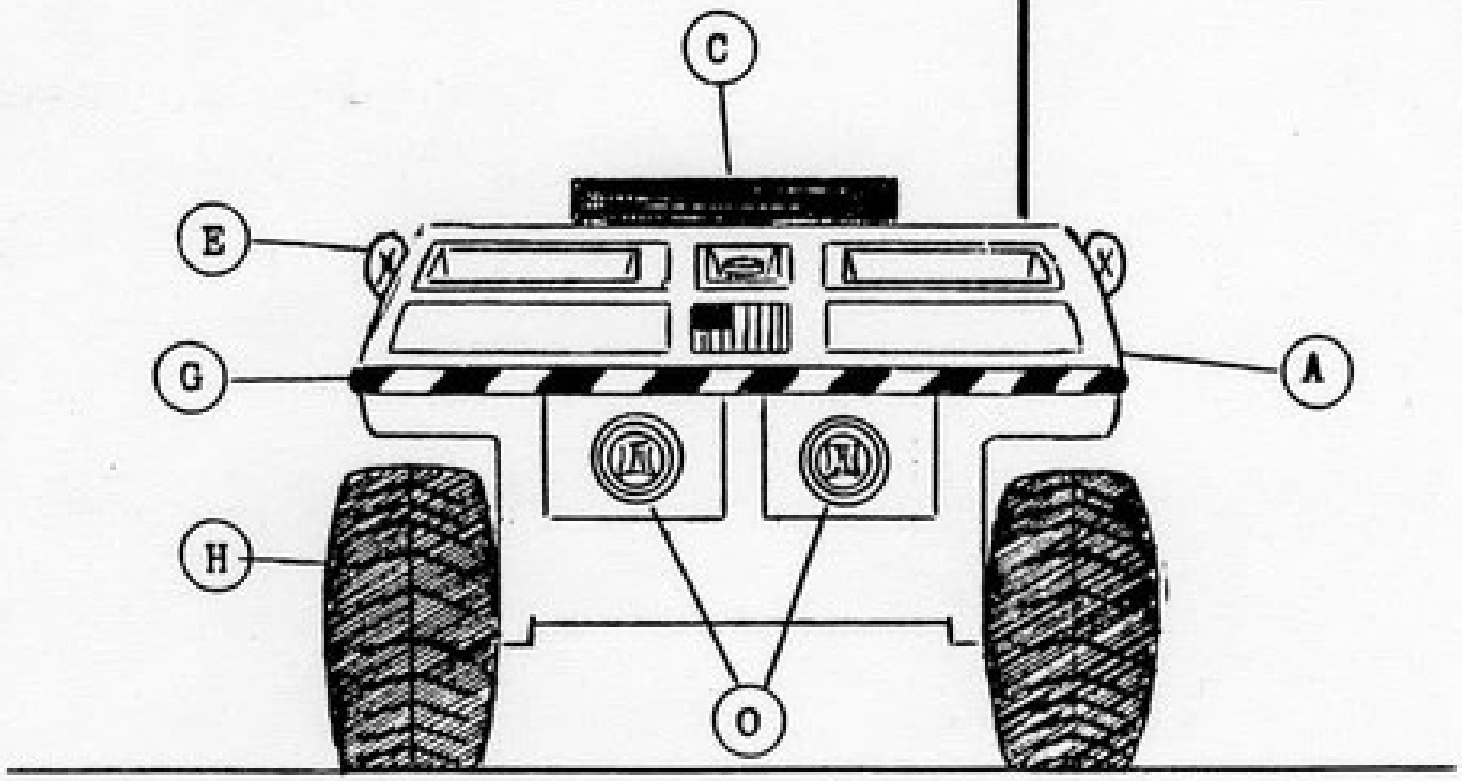
METERS

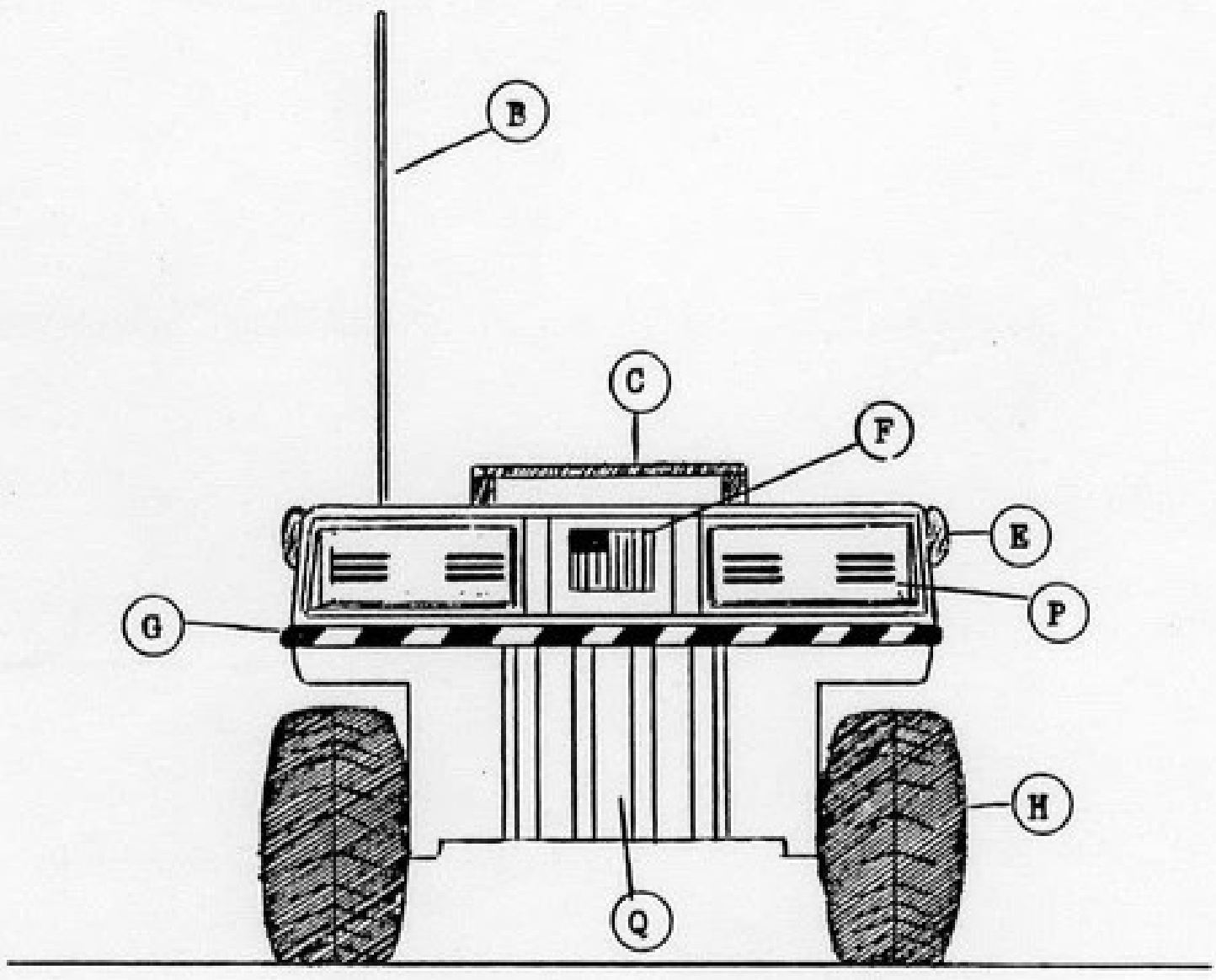
1:144 scale

MOONBUGGY



MOONBUGGY

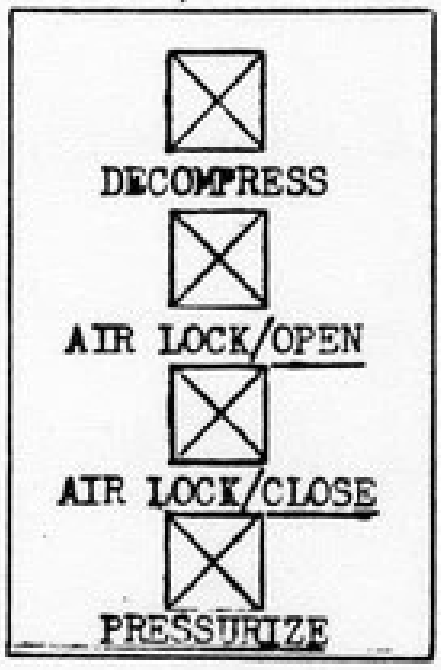




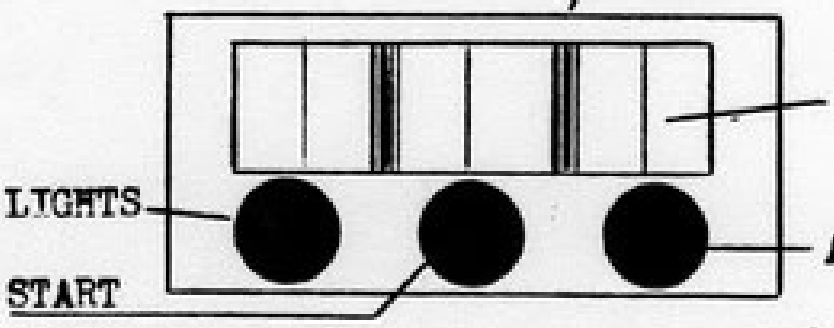
MOON BUGGY KEY

(A) MOON BUGGY
(B) COMMUNICATIONS ANTENNA
(C) SEAT
(D) AIR LOCK & SECTION IDENTIFICATION
(E) SIDE REAR VIEW MIRROR (2)
(F) INTERSPACE RESEARCH COMMISION IDENTIFICATION SEAL
(G) PROTECTIVE RUBBER GUARDING
(H) MOON BUGGY TIRE (6)
(I) STORAGE AREA
(J) MOON BUGGY INSTRUMENT PANEL
(K) CONTROL STICK INSTRUCTION PANEL
(L) HAND GRIP CONTROL STICKS
(M) AIR LOCK CONTROL PANEL
(N) RECHARGING CABLE CONNECTION MOCK UP
(O) HEAD LIGHTS (2)
(P) VENTS
(Q) ENGINE ACCESS PLATES

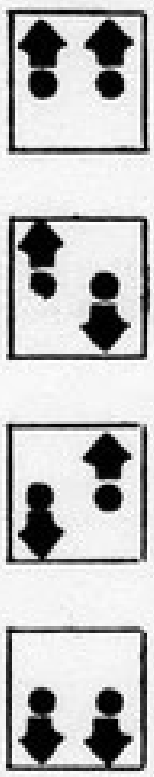
AIR LOCK CONTROL PANEL



INSTRUMENT PANEL



CONTROL STICK INSTRUCTION PANEL



FORWARD/

Push both control sticks forward for forward motion.

RIGHT TURN/

Pull right control stick back to obtain rightward motion. Keep left control stick forward.

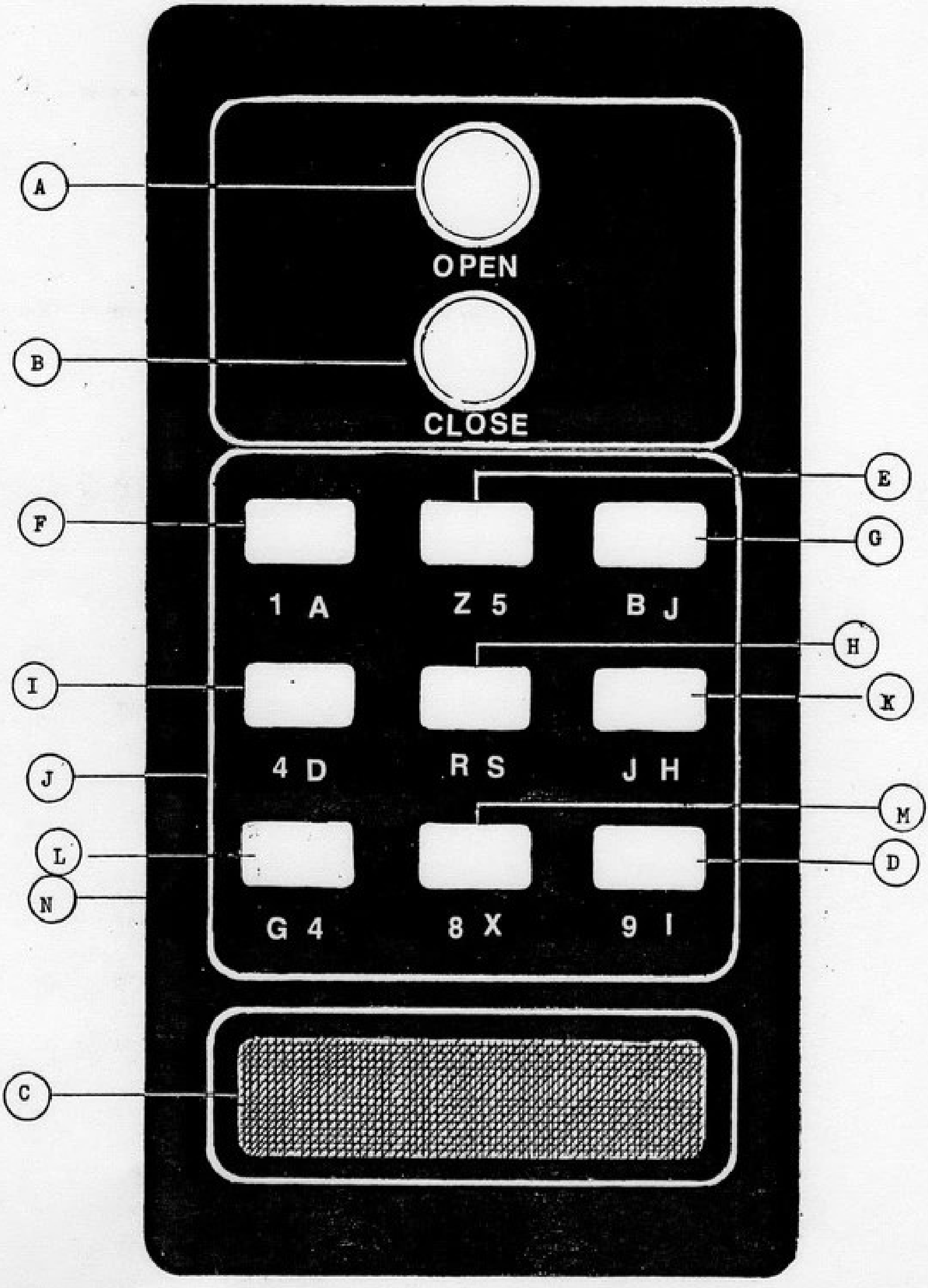
LEFT TURN/

Pull left control stick back to obtain leftward motion. Keep right control stick forward.

STOP/

Pull both control sticks back to bring buggy to complete stop.

DOOR CONTROL



Key

DOOR CONTROL KEY (SLIDING DOOR CONTROL-2010)

(A) OPEN BUTTON
(B) CLOSE BUTTON
(C) COMMLOCK FREQUENCY CONTROL SCREEN/INTERCOM

DOOR CONTROL KEY BOARD

(D) 91 ACTIVATES INTERCOM
(E) Z5 SECONDARY OPEN BUTTON
(F) IA MODE BUTTON
(G) EJ LIGHTING CONTROL (LIVING UNIT ONLY)
(H) FS GENERAL ATMOSPHERE CONTROL (HEATING)
(I) LD GENERAL ATMOSPHERE CONTROL (AIR CONDITIONING)
(J) PANEL DETAIL STRIPING
(K) JH GENERAL ATMOSPHERE CONTROL ALLOCATION BUTTON
(L) GL DOOR BUZZER ON/OFF BUTTON
(M) 8X DOOR BUZZER LOUDNESS CONTROL
(N) DOOR CONTROL PANEL WALL PLATE

(D) PRESS IN TO ACTIVATE. DEPRESS FOR DEACTIVATION
(E) PRESS IN TO ACTIVATE. AUTOMATICALLY DEPRESSES.
(F) PRESS TWICE TO ACTIVATE KEY BOARD PERSONAL DOOR COMBINATION CONTROL. AUTOMATICALLY DEPRESSES.
PRESS THREE TIMES TO RETURN TO REGULAR MODE. AUTOMATICALLY DEPRESSES.
(G) PRESS IN TO ACTIVATE CEILING LIGHTS. DEPRESS TO TURN OFF.
(H) PREES IN TO ACTIVATE HEATING UNIT. DEPRESS TO DEACTIVATE.
(I) PRESS IN TO ACTIVATE AIR CONDITIONING UNIT. DEPRESS TO DEACTIVATE.
(K) PRESS IN X AMOUNT OF TIMES TO ALLOCATE TEPERATURE. DEPRESSES AUTOMATICALLY
(L) PRESS IN FOR ON. DEPRESS FOR OFF (ON INSIDE ROOM PANEL). PRESS IN TO ACTIVATE DOOR BUZZER. DEPRESSES AUTOMATICALLY. ACTIVATES INTERCOM. "OUT" INSIDE ROOM SIMULTAINIOUSLY. THE INTERCOM ACTIVATION THEN NEEDS TO BE PRESSED IN FOR THE LINE TO BE OPENED BOTH WAYS (ON CORRIDOR DOOR PANEL).
(M) PRESS IN UP TO 6 TIMES FOR LOUDNESS. A 7TH TIME REDUCES THE VOLUME BACK DOWN TO ORIGINAL LOUDNESS SETTING.

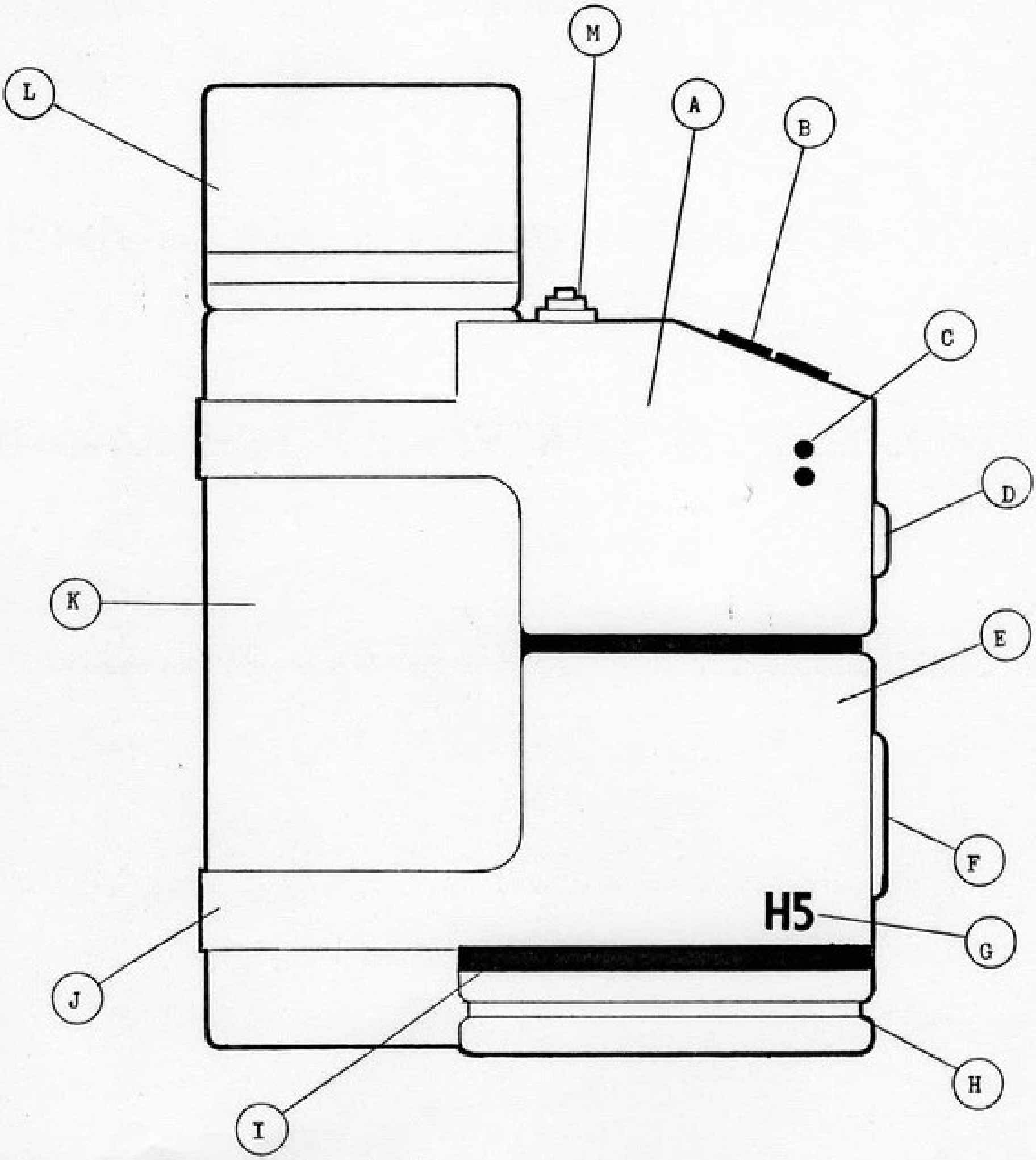
THE DOOR CONTROL PANEL APPEARS AT EVERY SEALED ENTRY POINT ON MOONBASE ALPHA. IT IS USUALLY LOCATED TO THE RIGHT OF THE DOOR IF VIEWED FROM THE OUTSIDE OF A UNIT. AND LOCATED TO THE LEFT IF VIEWED FROM INSIDE THE UNIT.
MOST MOONBASE DOORS OPEN TO THE OPPOSITE SIDE OF THE DOOR CONTROL PANEL. HOWEVER,THERE ARE A FEW EXCEPTIONS WHERE THEY OPEN TO THE SAME SIDE AS THE CONTROL PANNEL. BASICALLY DEPENDING ON THE CONSTRUCTION OF THE SURROUND-AREA.

THE DOOR CONTROL PANEL FUNCTIONS DESCRIBED HERE ARE IN USE WITH ALL MOONBASE COMPARTMENTS WITH THE EXCEPTION OF AIRLOCKS,TRAVEL TUBES,LAUNCH PAD BOARDING TUBES, AND THE LASER BARRIER AT THE NUCLEAR DISPOSAL AREAS.

BUTTONS (GL) AND (8X) IN THE MODE DESCRIBED HERE ARE IN USE ONLY WITH ALL MOONBASE LIVING UNIT QUARTERS.

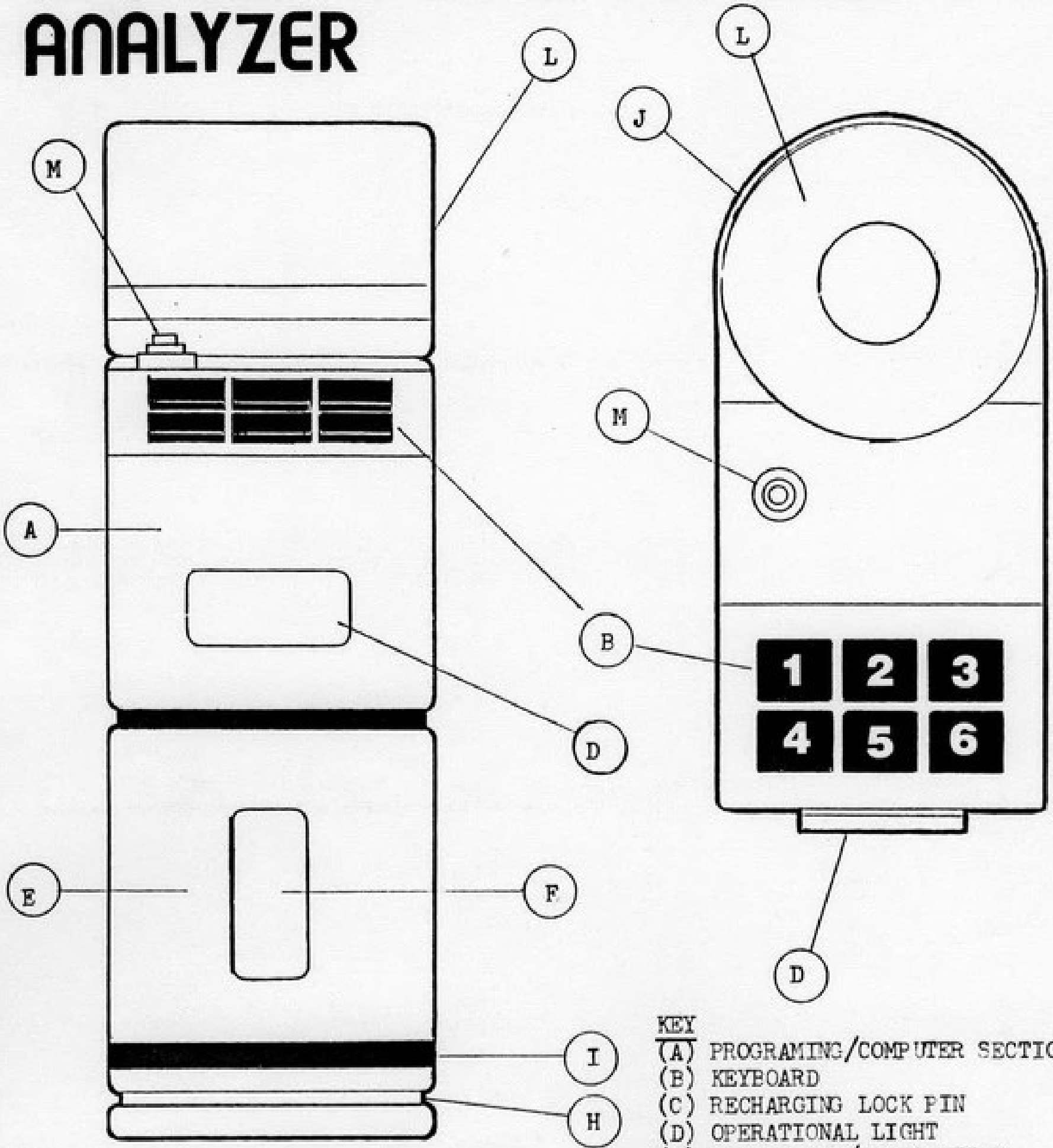
SEE ELSEWHERE FOR OTHER DOOR CONTROL PANEL OPERATION USE.

LIQUID PURIFICATION ANALYZER



EFFECTIVE RANGE: 2 MILES
CHANNELED THROUGH EAGLE OR MOONBASE COMMUNICATIONS SYSTEM: 50 MILLION MILES

LIQUID PURIFICATION ANALYZER



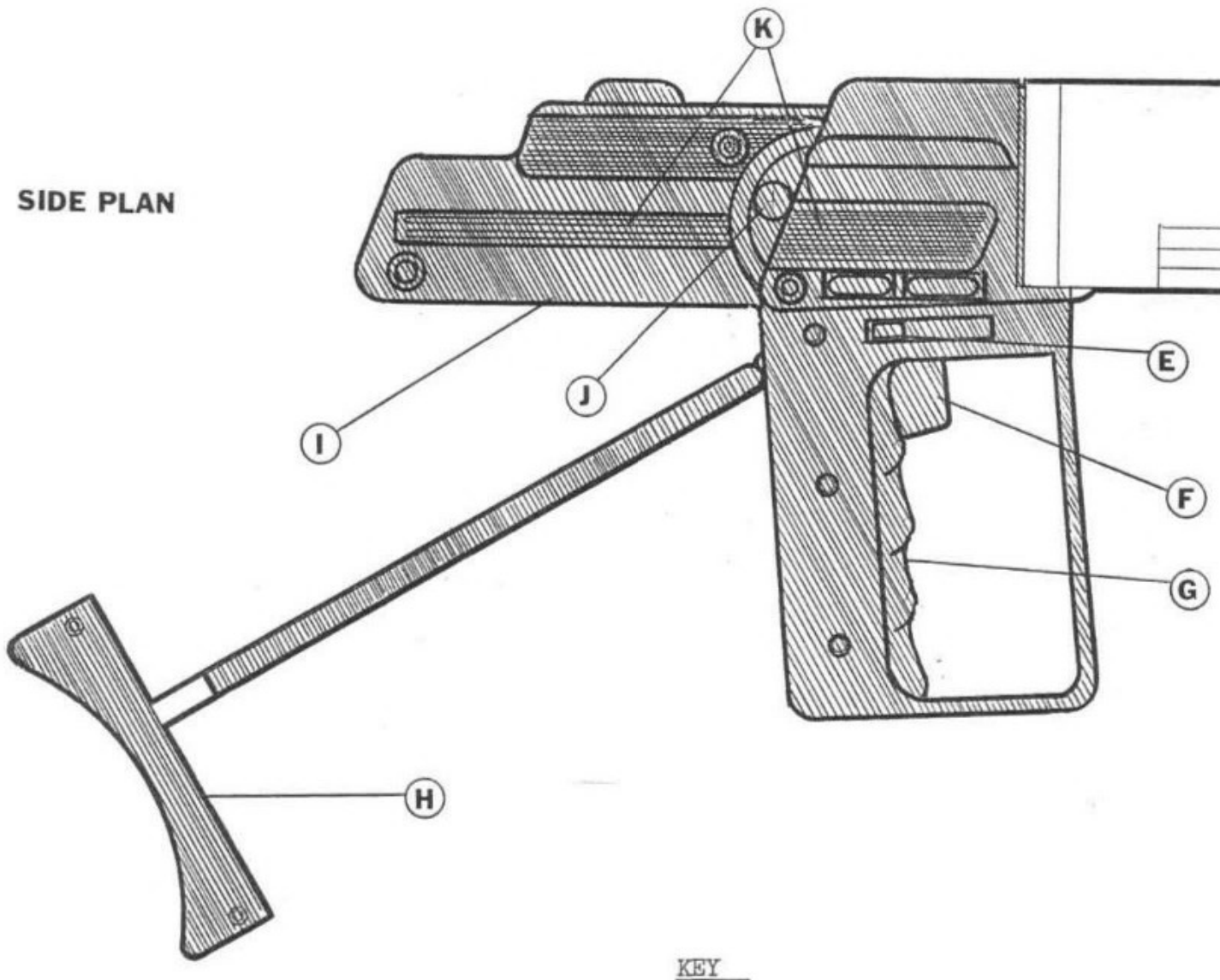
KEY

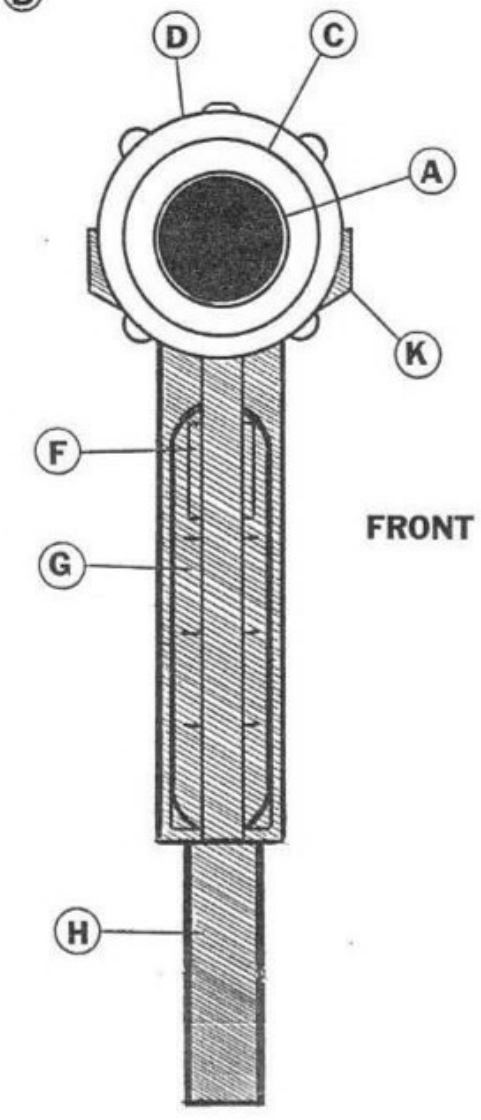
(A) PROGRAMING/COMPUTER SECTION
(B) KEYBOARD
(C) RECHARGING LOCK PIN
(D) OPERATIONAL LIGHT
(E) POWER PACK/TRANSMITTER
(F) ON/OFF SWITCH
(G) UNIT IDENTIFICATION
(H) RECHARGING UNIT GLIDE TRACK
(I) MAGNETIC RECHARGING GRID
(J) BOTTLE HOLDING STRAP
(K) SCANNER BOTTLE
(L) BOTTLE CAP
(M) ANTENNA

THE LIQUID PURIFICATION ANALYZER WAS DESIGNED AND BUILT BY PROF. VICTOR BERGMAN ON MOONBASE ALPHA SHORTLY AFTER BREAKAWAY WHEN IT BECAME APPARENT THAT THE ALPHANS WOULD NEED SOME KIND OF DEVICE TO ANALYZE THE WATER OF TERRA NOVA. SINCE THAT EXPEDITION, 79 ADDITIONAL UNITS WERE CREATED AND ADDED TO THE STANDARD SURVEY EQUIPMENT. EACH EAGLE SPACECRAFT CARRY 2 OF THE UNITS IN IT'S SURVEY EQUIPMENT STORAGE AREA.

LASER RIFLE MODEL 3

SIDE PLAN





FRONT PLAN

KEY

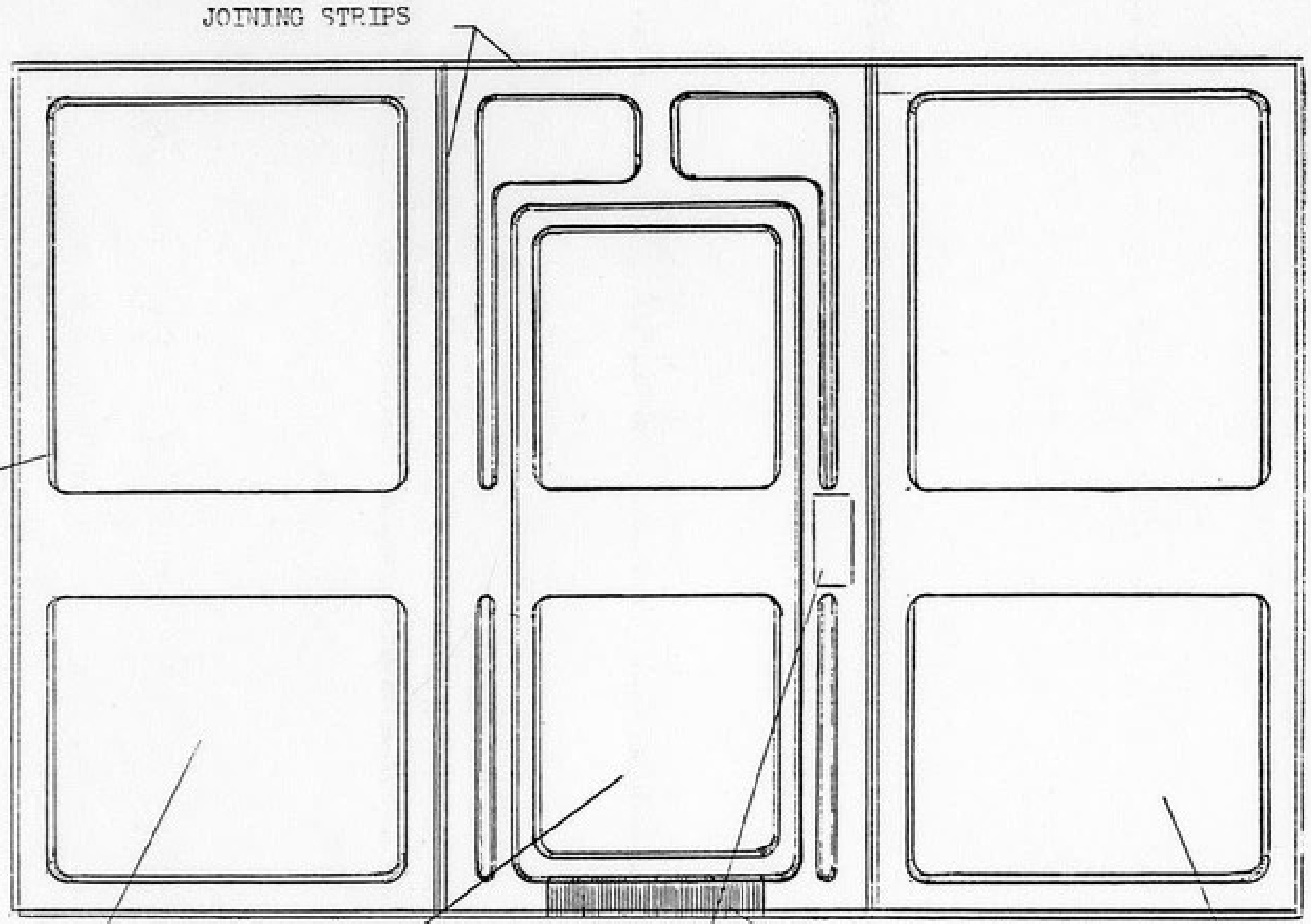
(A) BARREL
(B) LASER SOURCE
(C) ACRYLIC SHIELDING BARREL
(D) PHOTON AMPLIFICATION CELL
(E) INTENSITY CONTROL
(F) FIRE TRIGGER
(G) HAND GRIP
(H) SHOULDER REST
(I) RECHARGABLE POWER CELL
(J) POWER CELL RELEASE KNOB
(K) HEAT VENT

EFFECTIVE RANGE:
STUN -- 300 FEET
KILL -- 350 FEET

Internal Structures

MOONBASE BULKHEAD

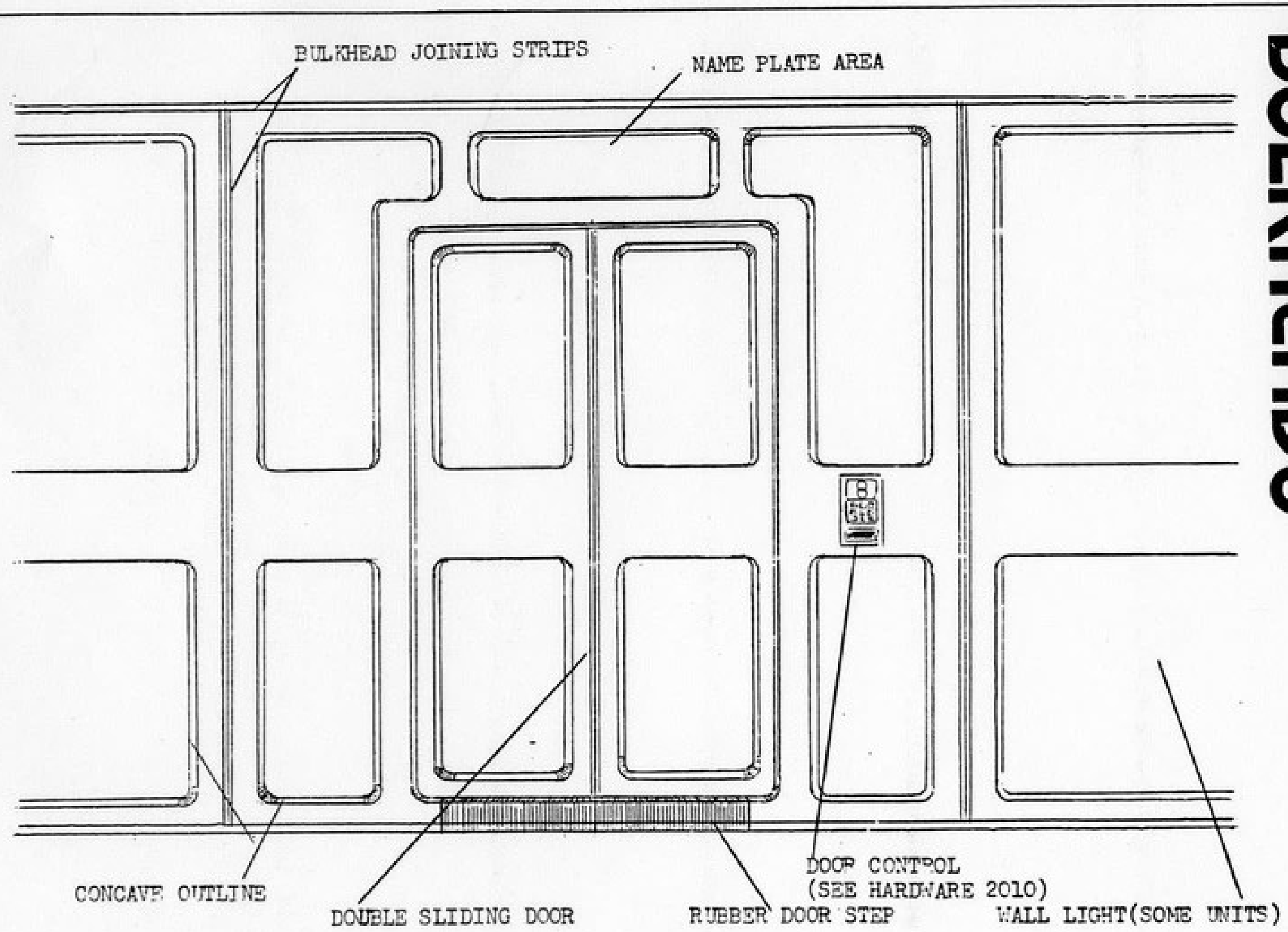
Alpha-1039



Single Sliding Door

Internal Structures

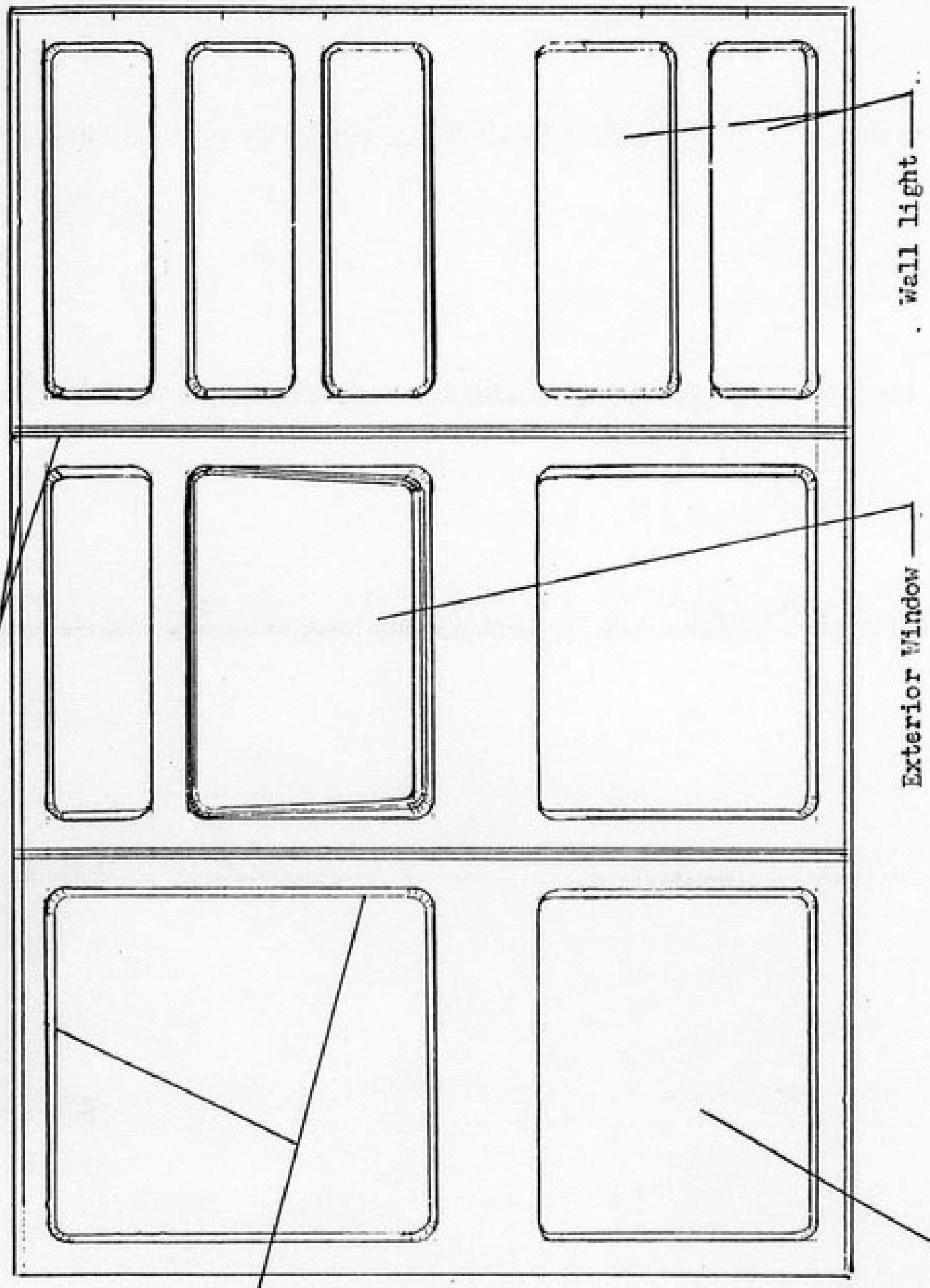
BULKHEADS



Double Sliding Door (Travel Tube)

Alpha-1040

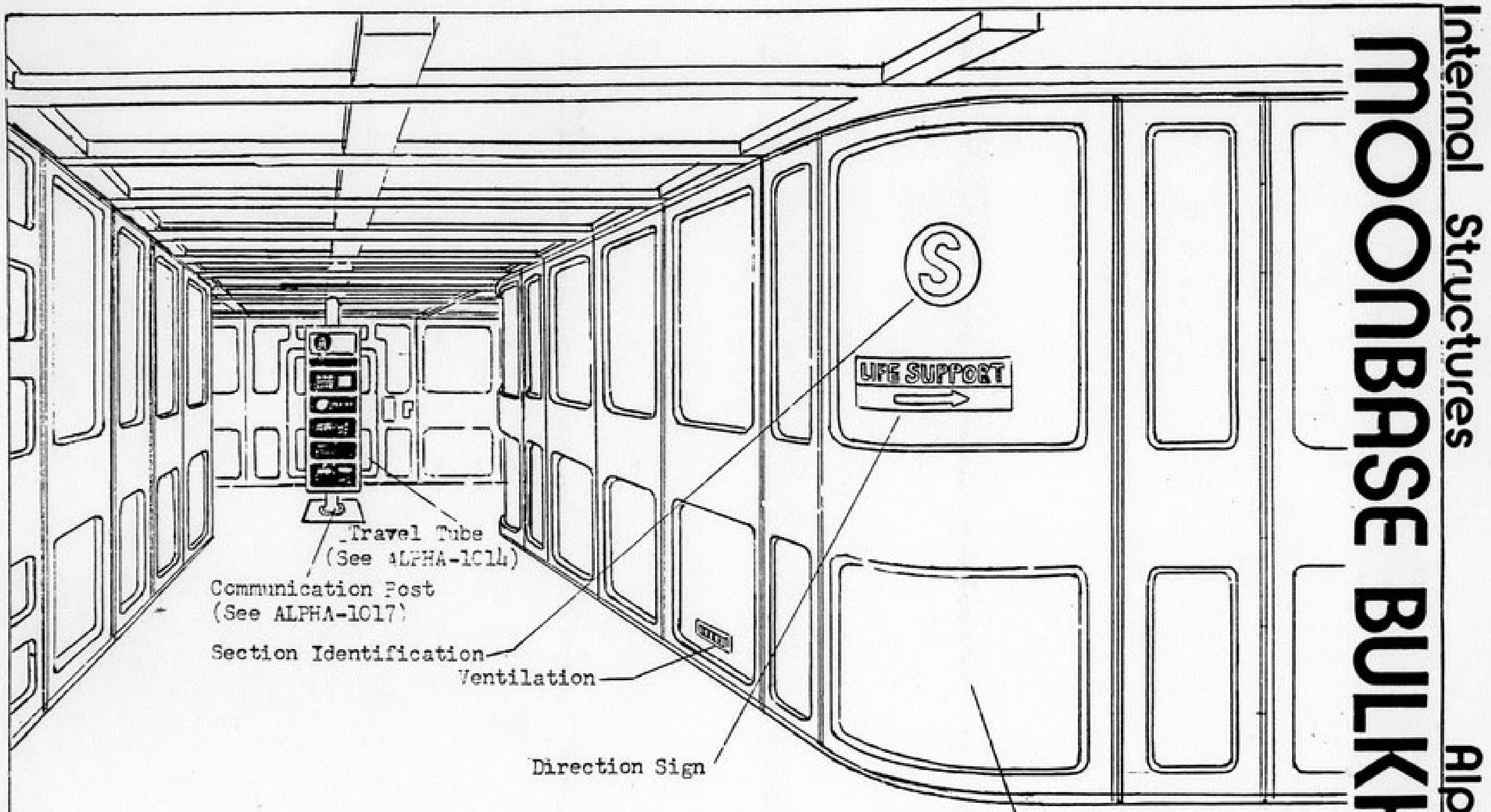
BULKHEADS (OTHER UNIT STYLES)



Internal Structures

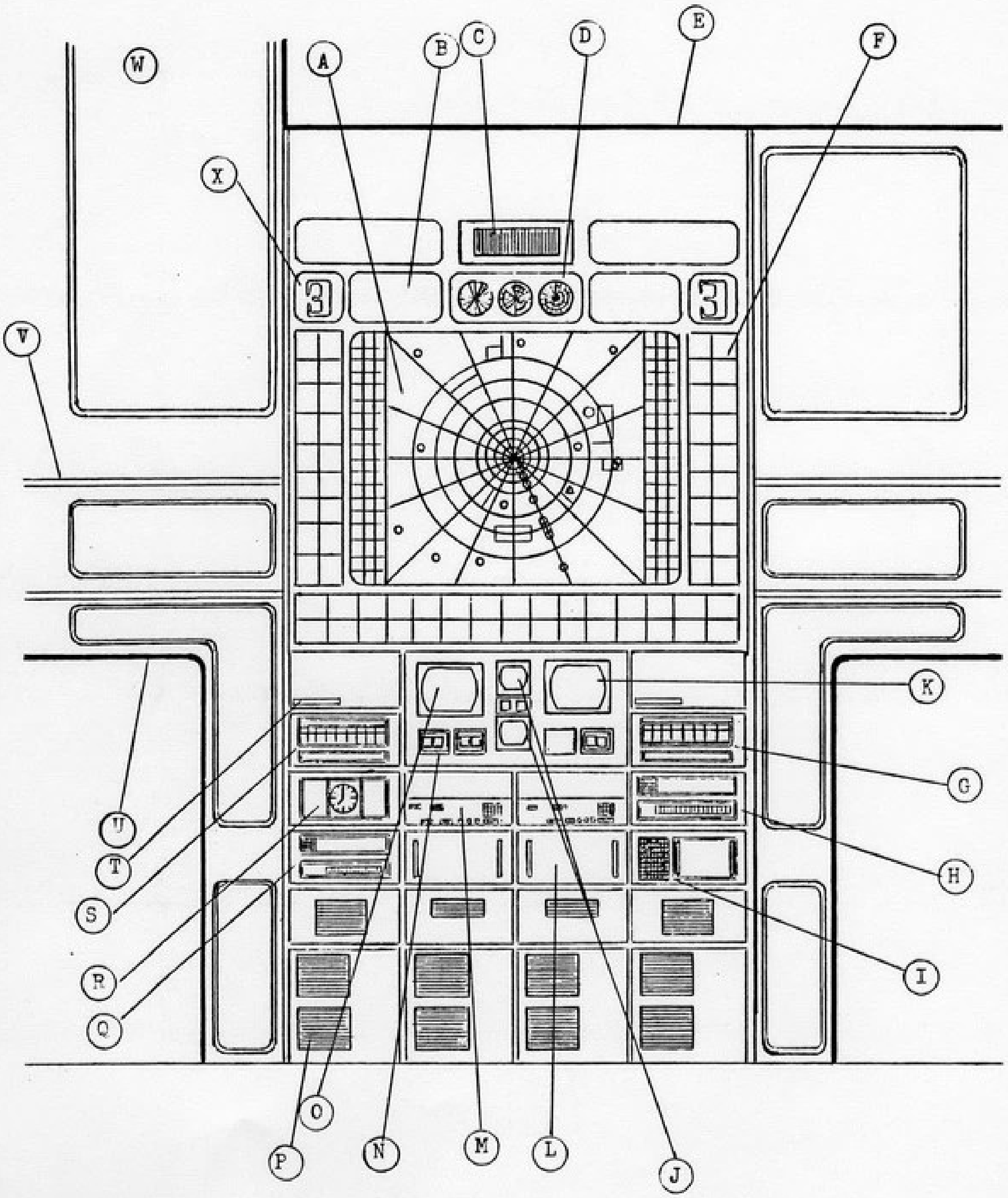
MOONBASE BULKHEAD

Alpha-1042



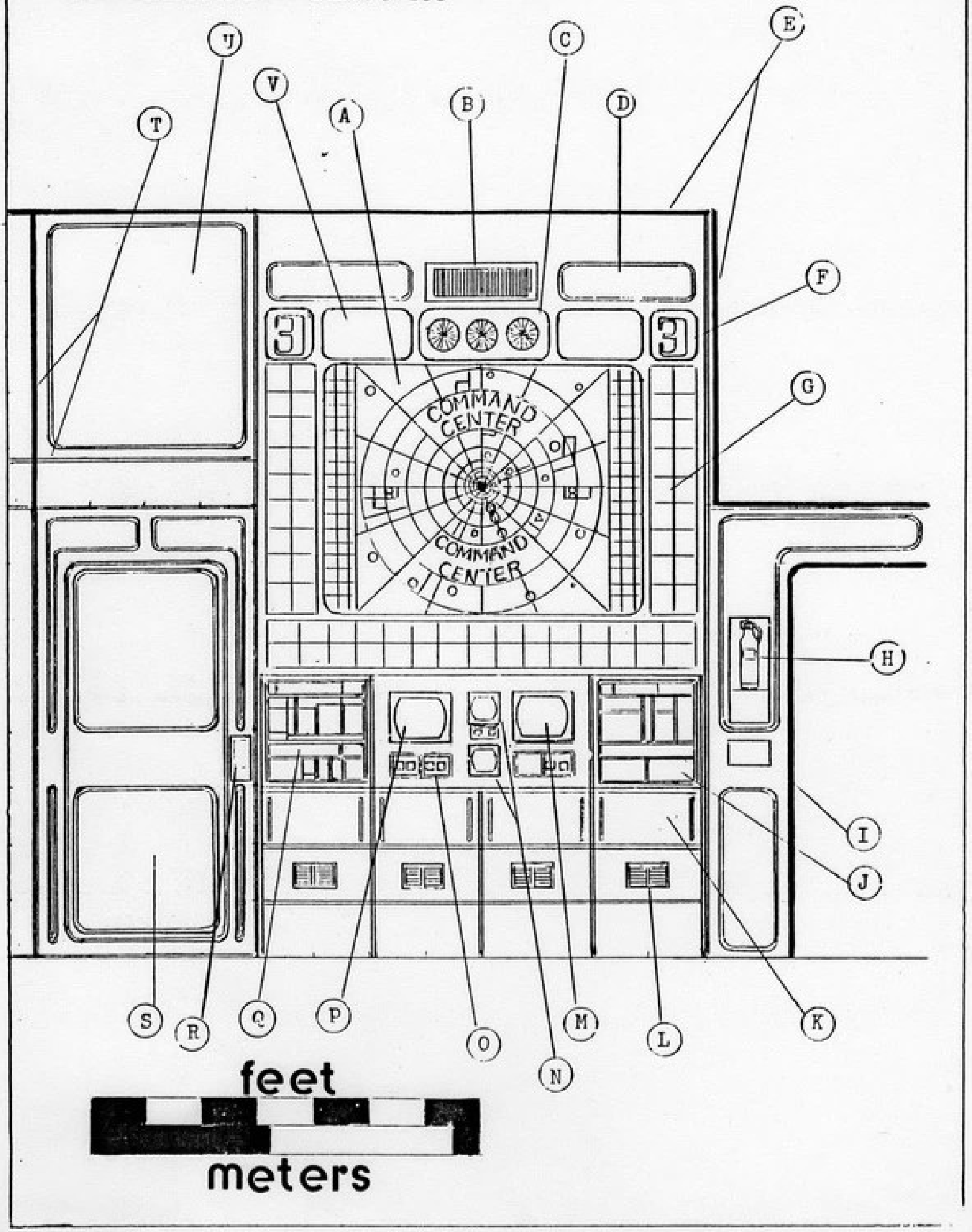
Typical Moonbase Corridor

VIEW SCREEN MAIN MISSION



VIEW SCREEN

COMMAND CENTER



Key

VIEW SCREEN/MAIN MISSION (ALPHA-1043)

(A) VIEW SCREEN/CENTER DIAGRAM
(B) EMERGENCY LIGHTING (LIT NORMALLY BUT STAY LIT SHOULD CENTRAL POWER FAIL)
(C) VENT
(D) INDIVIDUAL CONTROL AREAS
(E) CIELING OUTLINE
(F) VIEW SCREEN MONITOR LIGHTS
(G) MONITOR SCREEN #2 PROGRAMING CONTROLS
(H) MONITOR SCREEN #4 PROGRAMING CONTROLS
(I) MONITOR LIGHTS/ACCESS PANEL
(J) MONITOR SCREENS #3 (TOP) #4 (BOTTOM)
(K) MONITOR SCREEN #2
(L) ACCESS PANEL
(M) MAIN VIEW SCREEN PROGRAMING CONTROLS
(N) MONITOR SCREEN ACTIVATION CONTROLS
(O) MONITOR SCREEN #1
(P) VENT
(Q) MONITOR SCREEN #3 PROGRAMING CONTROLS
(R) LUNAR CHRONOMETER/MOONBASE NAVIGATION SIGNAL CONTROL
(S) MONITOR SCREEN #1 PROGRAMING CONTROLS
(T) COMPUTER (X5) SERIES IDENTIFICATION PLATE
(U) ARCH OUTLINE
(V) BULKHEAD JOINING STRIP
(W) WALL LIGHT
(X) VIEW SCREEN SERIES NUMBER

SCREEN #1: MOONBASE ALPHA RADAR MONITOR
SCREEN #2: MOON ORBITAL RADAR MONITOR
SCREEN #3: MOONBASE ALPHA EXTERIOR SURVEILLANCE MONITOR
SCREEN #4: STAND BY EAGLE AND LAUNCH PAD MONITOR

VIEW SCREEN/COMMAND CENTER (ALPHA-1044)

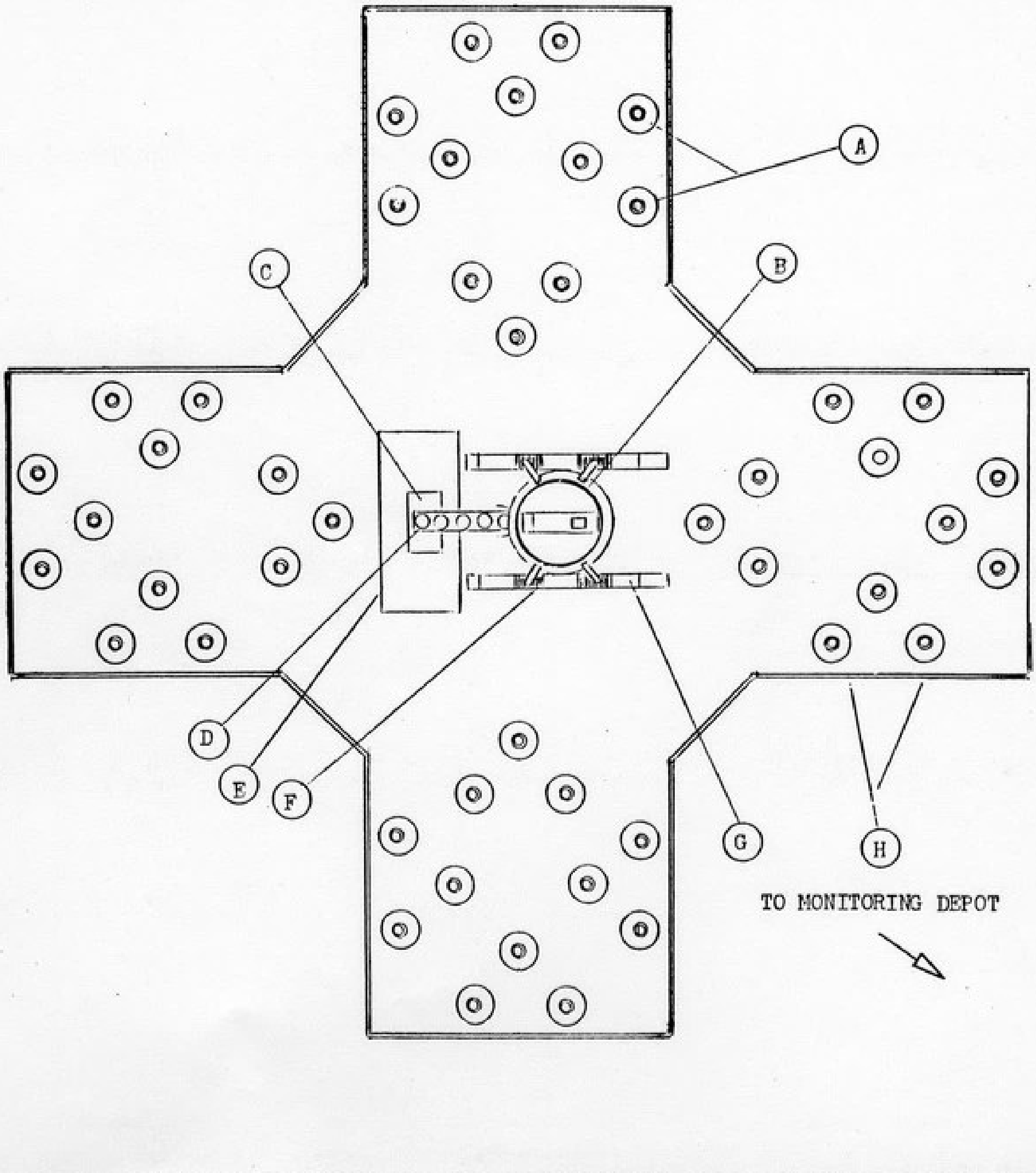
(A) VIEW SCREEN/CENTER DIAGRAM
(B) VENT
(C) INDIVIDUAL CONTROL AREAS
(D) CONCAVED WALL SECTION
(E) CEILING OUTLINE
(F) SCREEN SERIES NUMBER
(G) VIEW SCREEN MONITOR LIGHTS
(H) FIRE EXTINGUISHER
(I) ALCOVE OUTLINE
(J) INDIVIDUAL CONTROLS FOR MONITOR SCREENS
(K) ACCESS PANEL
(L) VENT
(M) MONITOR SCREEN #2
(N) MONITOR SCREENS #3(TOP) #4 (BOTTOM)
(O) MONITOR SCREEN ACTIVATION CONTROLS
(P) MONITOR SCREEN #1
(Q) MAIN COMPUTER TIE-IN CONTROLS/ MAIN VIEW SCREEN PROGRAMING CONTROLS/MOONBASE NAVIGATION SIGNAL CONTROLS
(R) DOOR CONTROL (SEE HARDWARE-2010)
(S) RESTROOM SINGLE SLIDING DOOR
(T) BULKHEAD JOINING STRIP
(U) WALL LIGHT
(V) EMERGENCY LIGHTING (LIT NORMALLY BUT STAY LIT SHOULD CENTRAL POWER FAIL)

MONITOR SCREENS 1-4 HAVE THE SAME FUNCTION AS THE MAIN MISSION MONITORS.

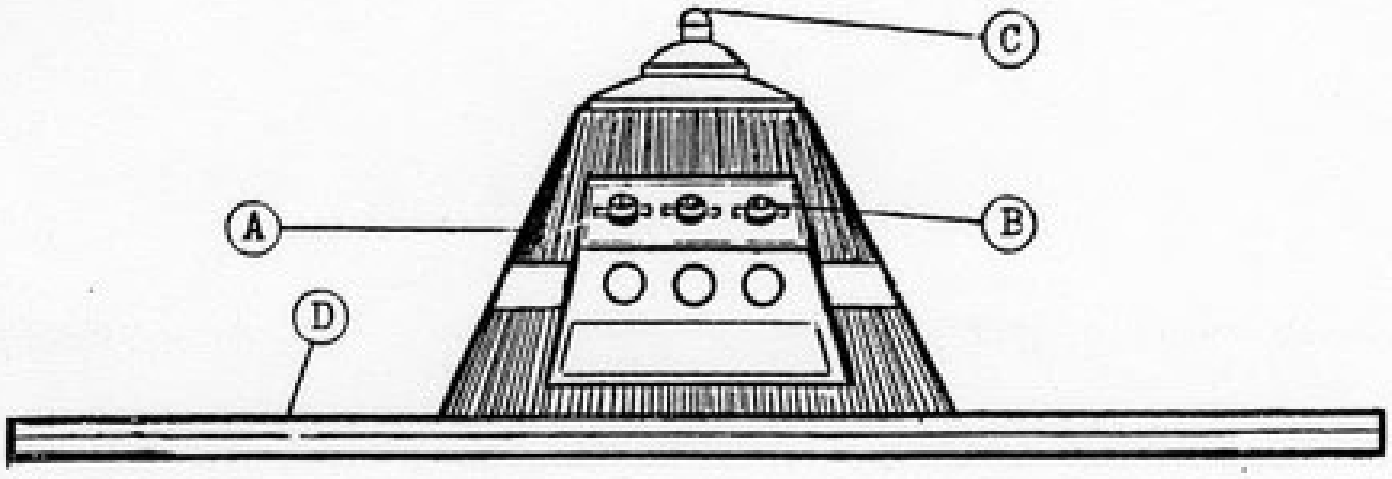
WITH OPERATING AN INDIVIDUAL MONITOR'S PROGRAMING CONTROLS ALONG WITH MAIN COMPUTER TIE-IN CONTROLS, ANY MATERIAL CAN BE VIEWED OVER MONITOR SCREEN. DURING CONDITION ALERT OR RED ALERT COMPUTER AUTOMATICALLY TAKES OVER SCREEN #3 AND #4 AND BROADCASTS THE RED ALERT TELLTALES. COMPUTER THEN SWITCHES THE SURVEILLANCE AND LAUNCH PAD INPUTS INTO A STAND BY MODE. HOWEVER, RED ALERT TELLTALES CAN BE CANCELLED DURING RED ALERT BY MANUAL COMMAND CONTROLS ON THE COMMANDER'S, MISSION CONTROLLER'S, DATA ANALYST'S, OR SECURITY OFFICER'S DESK, RESTORING MONITORS BACK TO THEIR ORIGINAL PROGRAM DISPLAY.

NUCLEAR WASTE DISPOSAL AREA TWO

(DARK SIDE - CRATER SCHRÖDINGER 75°s 133°e)



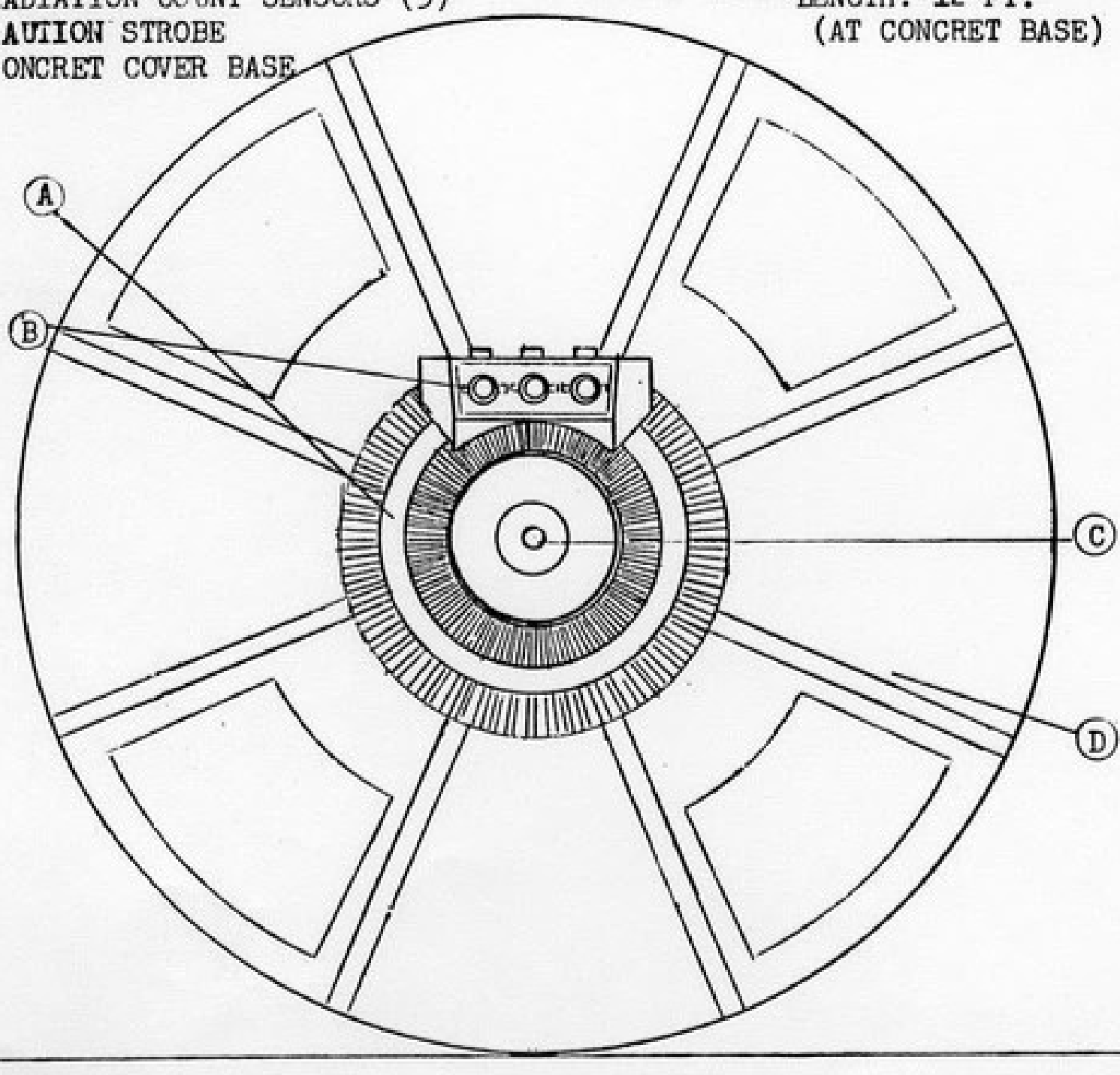
CENTIGRADE RADIATION COVER/MONITOR DOME (AREA TWO)



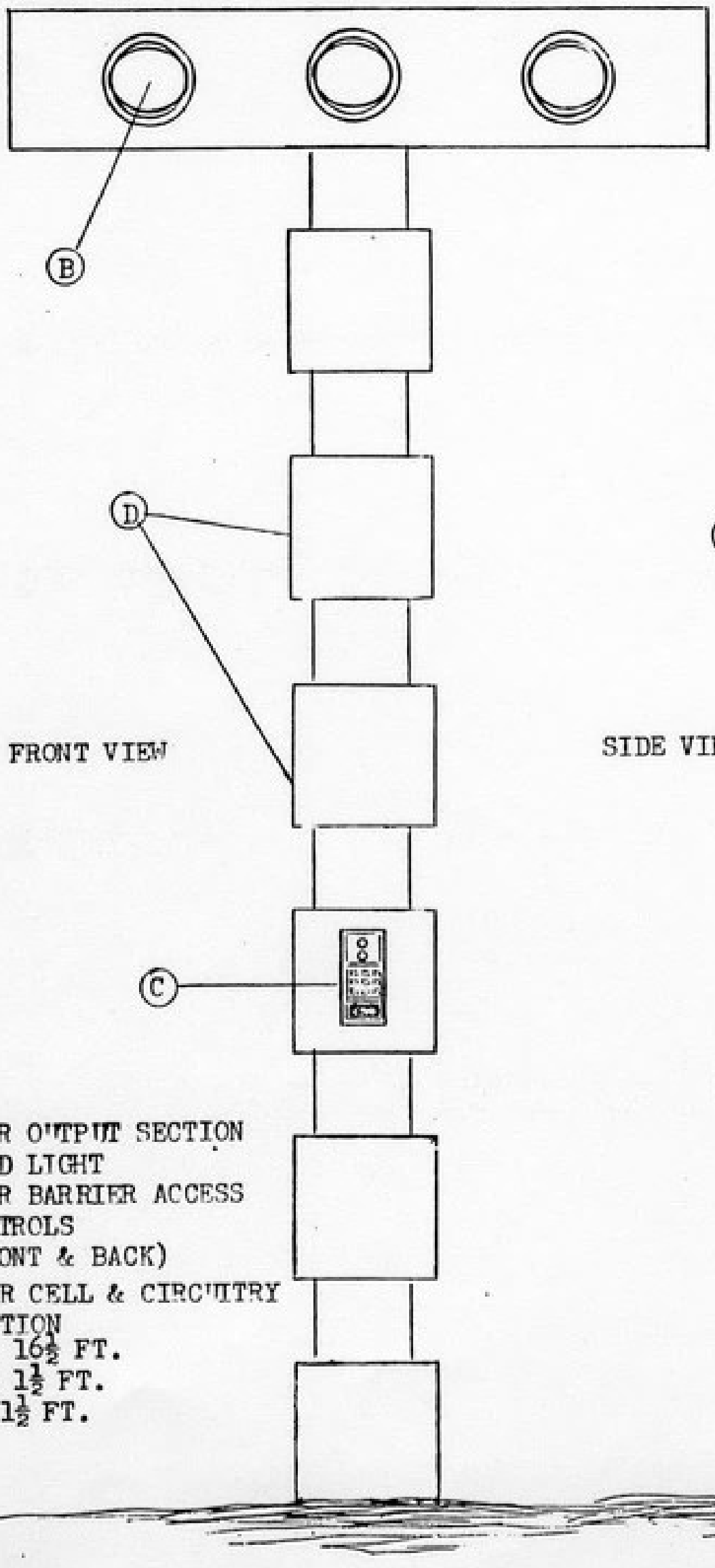
KEY

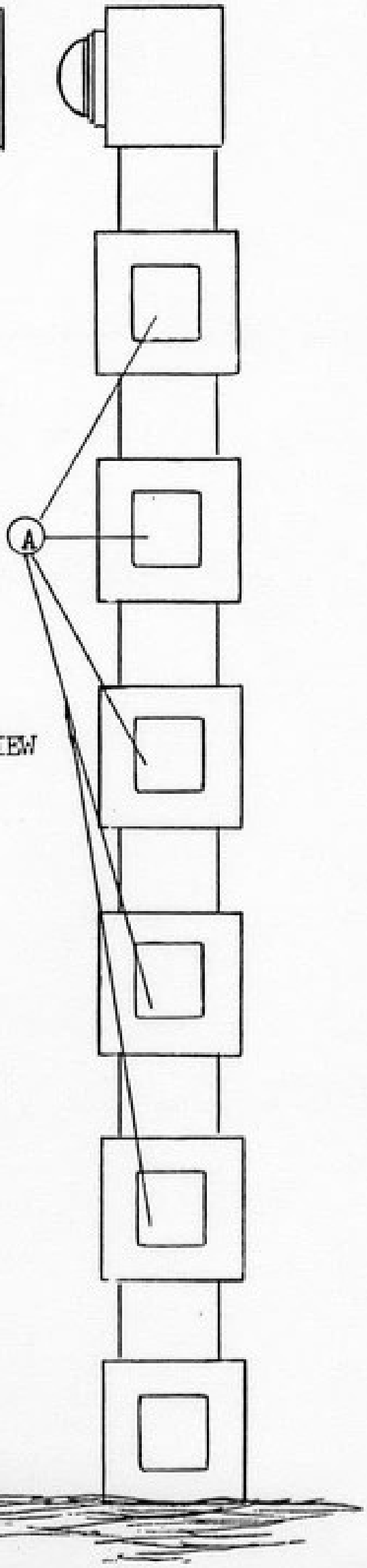
(A) MONITOR DOME
(P) RADIATION COUNT SENSORS (3)
(C) CAUTION STROBE
(D) CONCRET COVER BASE

HEIGHT: 4 FT.
LENGTH: 12 FT.
(AT CONCRET BASE)



LASER BARRIER
DISPOSAL AREA TWO



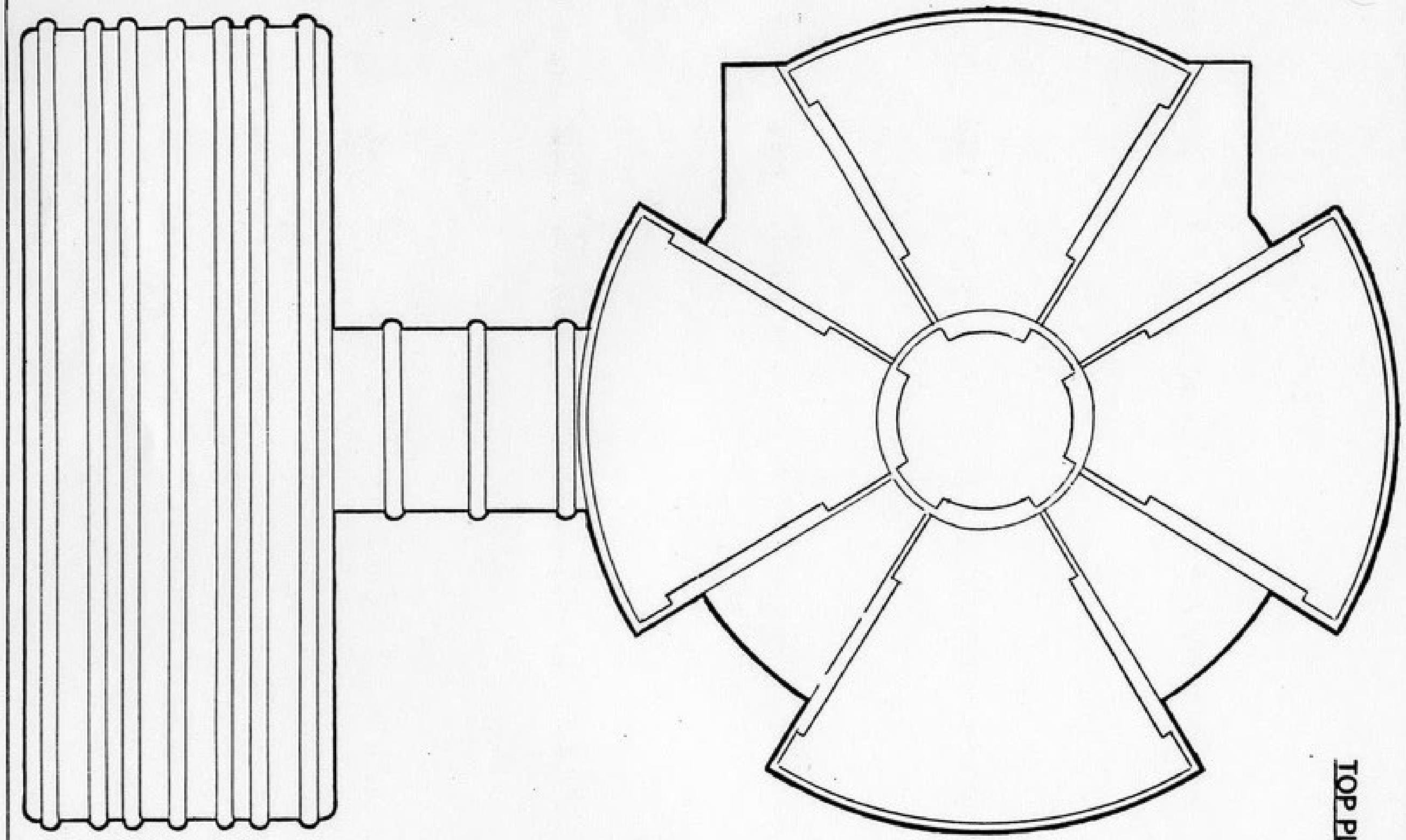


KEY

(A) LASER O'TP'T SECTION
(B) FLOOD LIGHT
(C) LASER BARRIER ACCESS CONTROLS (FRONT & BACK)
(D) POWER CELL & CIRC'ITRY SECTION

HEIGHT: 16½ FT.
LENGTH: 1½ FT.
WIDTH: 1½ FT.

External Structures

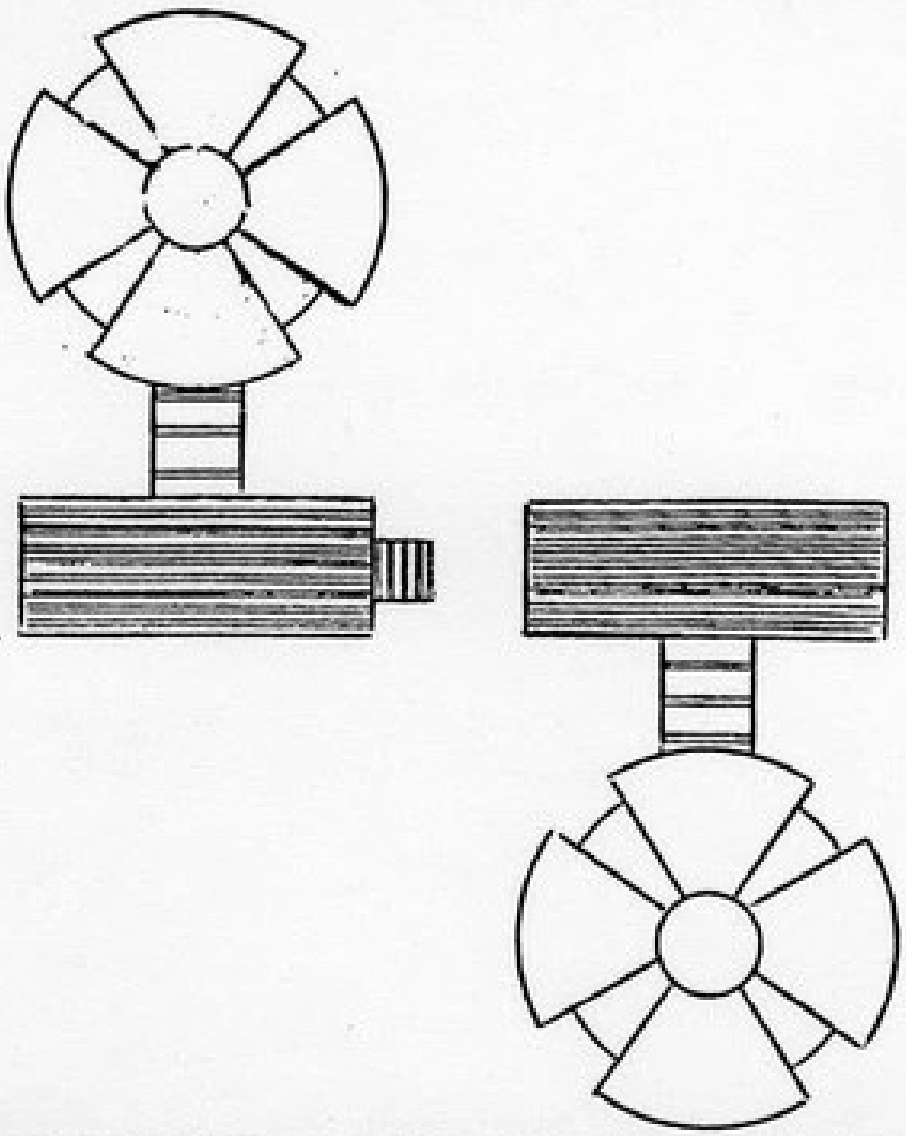


MONITORIG DEPOT AREA TWO

TOP PLAN VIEW

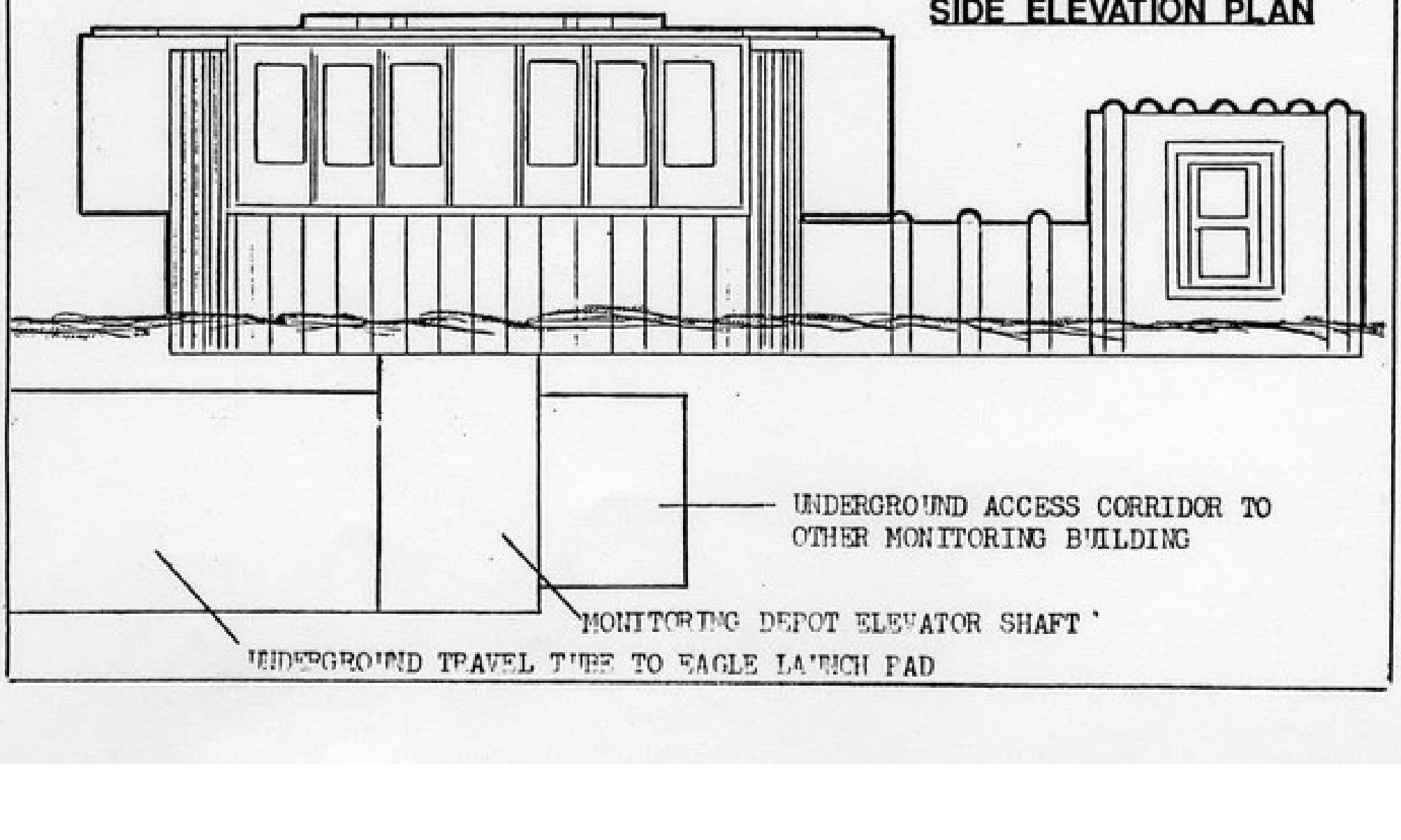
Alpha - 1049

MONITORING DEPOT



TOP PLAN VIEW
GENERAL LAYOUT

SIDE ELEVATION PLAN

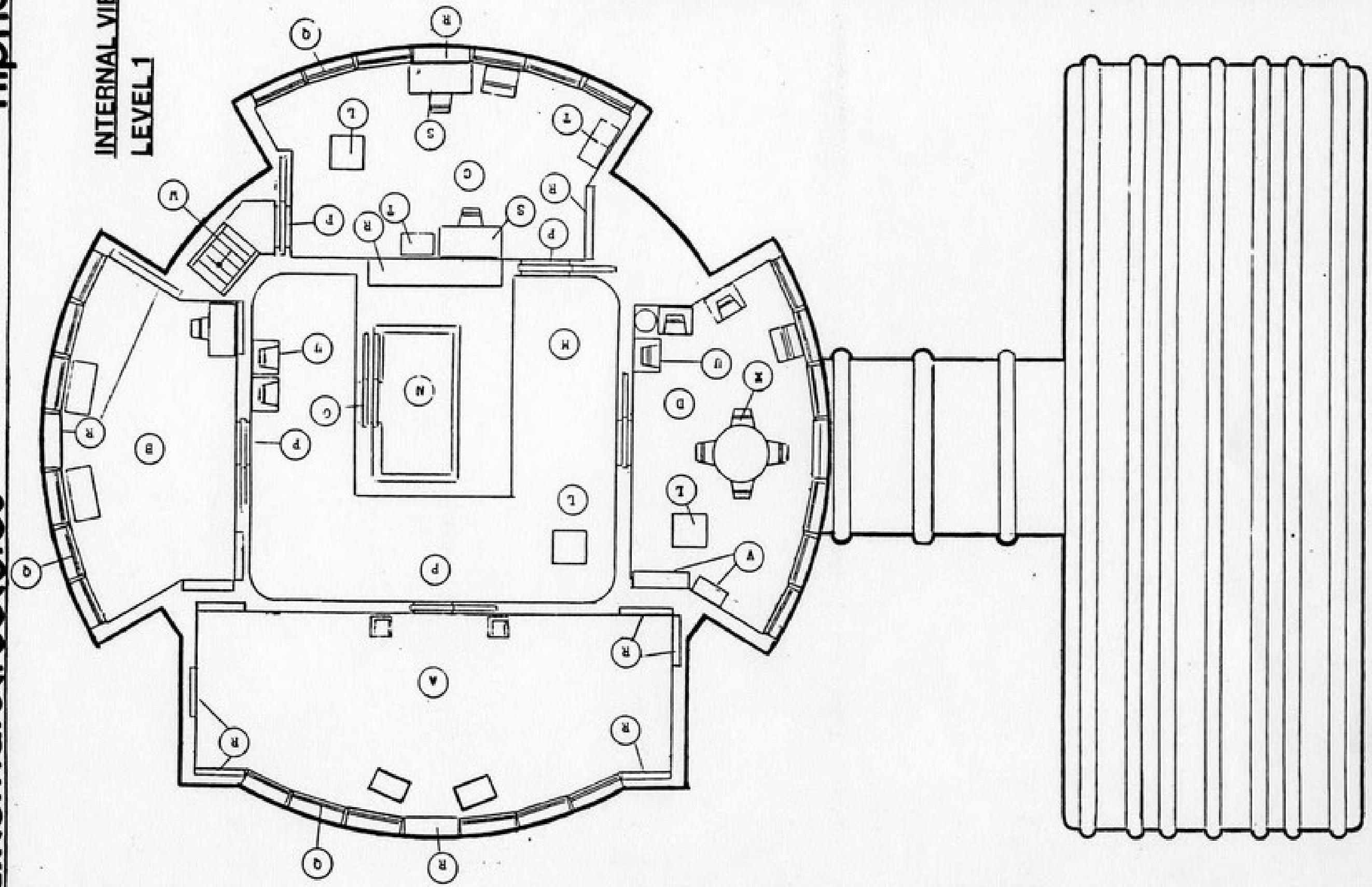

UNDERGROUND ACCESS CORRIDOR TO OTHER MONITORING BUILDING
MONITORING DEPOT ELEVATOR SHAFT
UNDERGROUND TRAVEL TUBE TO EAGLE LAUNCH PAD

MONITORING DEPOT
AREA TWO

Alpha - 1051

INTERNAL VIEW

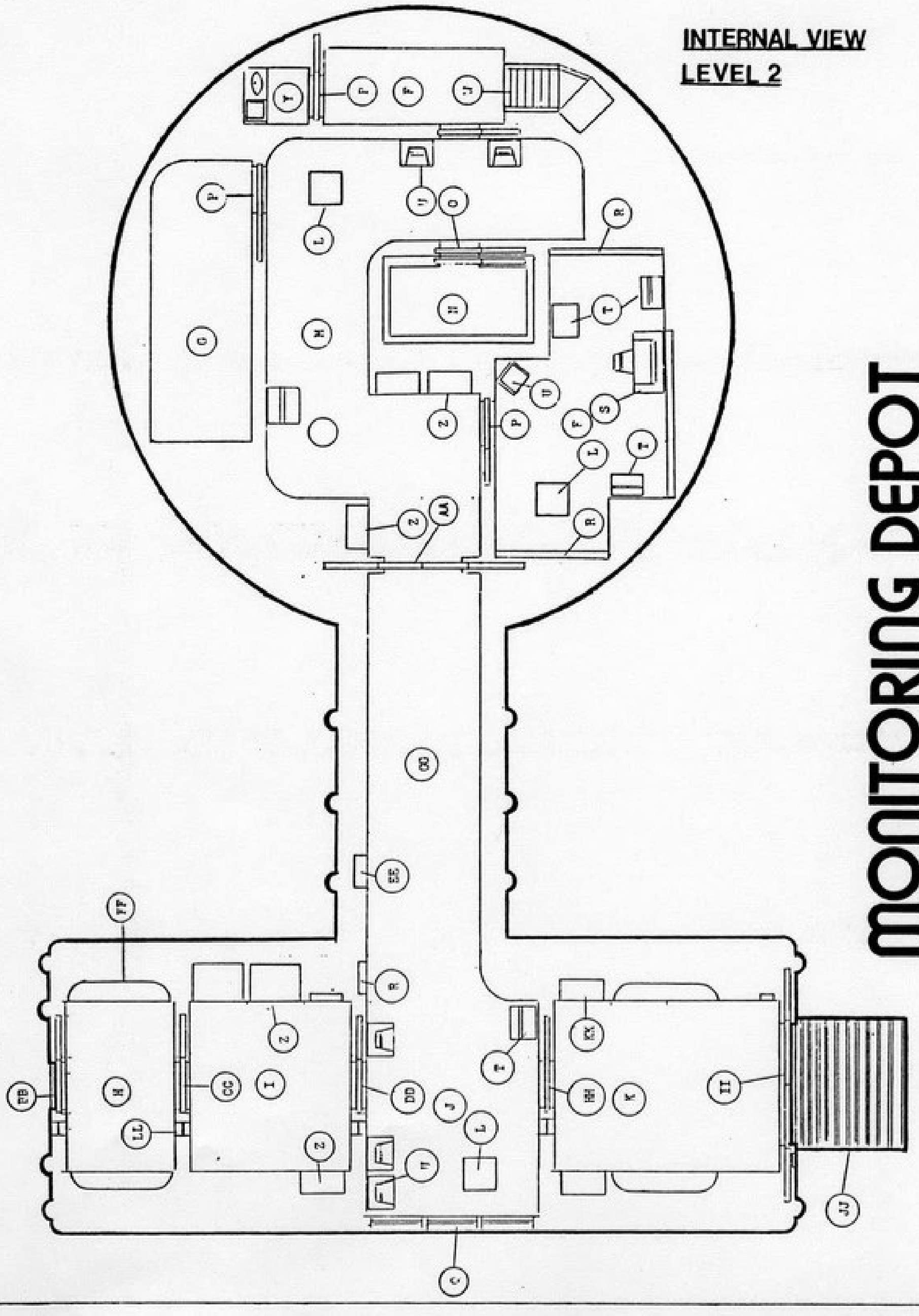
LEVEL 1



External Structures

INTERNAL VIEW
LEVEL 2

MONITORING DEPOT
AREA TWO



NUCLEAR WASTE DISPOSAL

During the later half of the 20th century, nuclear waste disposal became the biggest problem to man of that time. The 1960's and '70's saw numerous disposal grounds for the radioactive waste spring up all over the earth. By the 1980's the number of grounds had increased ten fold, along with the number of increasing illegal dumpings of nuclear materials in the deserted wastes lands of the United States. The 1980's also saw the build up of nuclear arms between the United States and Russia as tensions between the two countries continued to increase, and by 1987 world conflicts posed the threat of a third world war. On June 30, 1987, Switzerland was destroyed by a nuclear device of unknown origin.

July 1, 1987 saw a world peace confrence called. And for the first time during the nuclear age, the world began to realize the power of their thermonuclear weapons. By July 28 of that same year, under the agreements of the peace conference, all nuclear weapons were broken down. Their nuclear material still posing a safty threat, the peace commision along with the International Lunar Finance Commision (responsible for the construction of the Centuri space dock in 1981, and Moonbase Alpha in 1983) agreed upon creating a site on the far side of the moon for the dumping of these hazardous wastes of man. The site was designated as Area One, and was located in the crater Planck at 58°S and 138°E. Constructed from October 12, 1987 to February 9, 1988, it began receiving it's first canisters of nuclear waste on March 5, 1988. And continued to do so for the next 6 years, until new methods for storage of nuclear waste warrented the shut down of the 3½ mile in diameter dump.

The new site, designated Nuclear Disopsal Area Two, was located within the crater Schrödinger, which is fairly close to the moon's south pole on the far side at 75°S and 133°E, some 380 miles from Area One. Area Two consisted of several dumping grounds for the radioactive waste brought from Earth. The first site began operation on January 9, 1994, incorporating the newly designed centigrade radiation cover monitors, and by January 1999, the number of sites at Area Two had grown to 7. Each site ranged in size from .7 to 3 miles in diameter and housed 47 to 94 silos ten thousand feet deep.

The 1 mile diameter site 7 was the last in operation and 3/4 full before the heat from magnetic radiation building within the nuclear waste silos caused the thermonuclear explosion which in turn detonated the remaining 6 sites, hurtling the moon out of Earths orbit.

An 8th site, located at 49°S and 141°E in the crater Ceraski, some 180 miles North East of Area One, and 549 miles North East of Area Two, was an improved extension of Area One. It was to become Area Two when the centigrade radiation covers were designed, but it was decided to construct another site at a new location in the crater Schrödinger. This site,not affected by the flareup of Area One, and escaping the explosion of the far off Area Two, somehow managed to maintain it's magnetic levels for the following 8 years after leaving Earth. However, this site was detonated by the Alphans 2017 days after leaving Earth to again alter the moon's course to avoid collision with the planet Tora.

Presently there is only 1 nuclear waste dump remaining on the moon. It is located on the Near Side in the crater Fracastorius at 21°S and 33°E, within the Sea Of Nectar. It is designated as the Nuclear Waste Domes and has no identification name. This site was constructed after leaving Earth for the disposal of the minimal nuclear waste created by Moonbase Alpha. This site escaped detonation 1918 days after leaving Earth, when Commander John Koenig defeated the aliens claiming to be a rescue team from Earth. This site is constantly monitored by Moonbase Alpha.

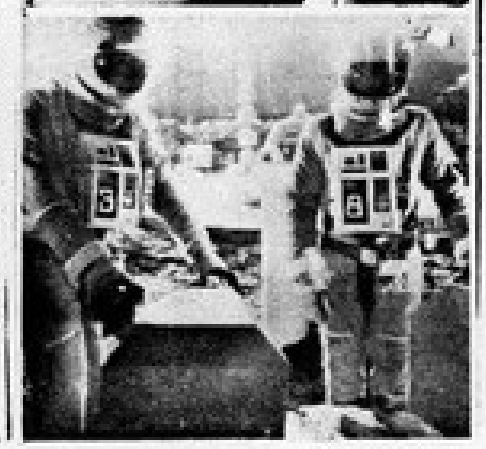
Key

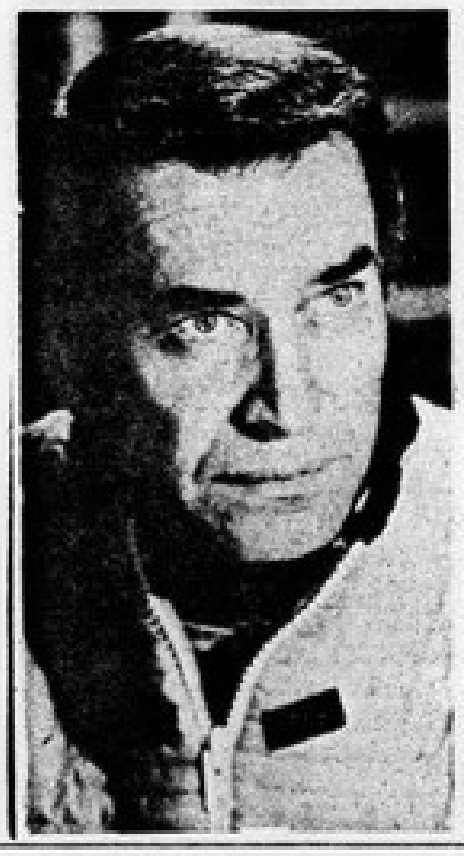
NUCLEAR WASTE DISPOSAL AREA TWO KEY
(ALPHA-1046)

(A) CENTIGRADE RADIATION COVERS (46)
(SEE ALPHA - 1047)
(B) DISPOSAL STORAGE UNIT
(C) DISPOSAL CANNISTER TRANSPORT MODULE
(DETATCHED FROM EAGEL)
(D) CONVEYOR BELT
(E) EAGLE LANDING PAD
(F) STORAGE UNIT MOBILITY TREADS
(G) POSITIONING TRACK FOR STORAGE UNIT
(H) LASER BARRIER (SEE ALPHA - 1048)

AREA TWO MONITORING DEPOT (ALPHA-1051-1052)

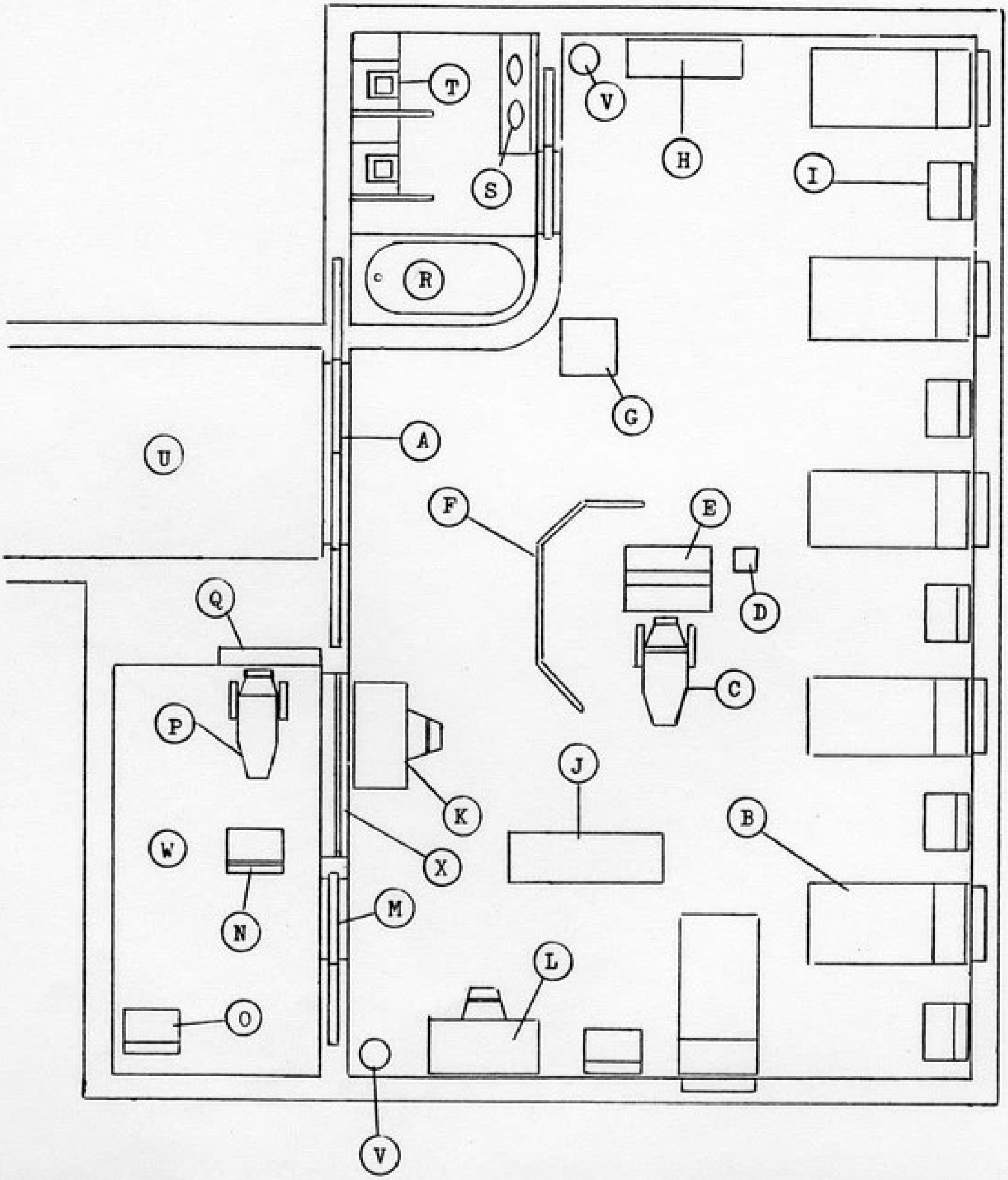
(A) AREA TWO SITE #7 MAIN OBSERVATION/MONITORING ROOM
(B) NEW WASTE CANNISTER ARRIVAL DISPATCHING STATION
(C) AREA TWO SITE #7 FILING AND DISTRIBUTION CENTER
(D) LOUNGE
(E) DEPOT LIFE SUPPORT ROOM
(F) ACCESS CORRIDOR
(G) STORAGE AREA
(H) OUTER AIRLOCK/DECONTAMINATION
(I) INNER AIRLOCK/SPACESUIT AND GEAR STORAGE
(J) DECONTAMINATION MONITORING AREA
(K) MOONBUGGY AIRLOCK/STORAGE
(L) COMMUNICATIONS POST
(M) CORRIDOR
(N) ELEVATOR
(O) ELEVATOR SLIDING DOORS
(P) SINGLE SLIDING DOOR
(Q)
(R) COMPUTER PANEL
(S) MONITORING DESK AND CHAIR
(T) VARIOUS MOBILE MONITORING UNITS
(U) CHAIR
(V) FOOD AND DRINKS DISPENCER
(W) EMERGENCY STAIR WELL
(X) TABLE AND CHAIRS
(Y) RESTROOM
(Z) SPACESUIT STORAGE
(AA) ISOLATION DOORS
(BB) OUTER AIRLOCK DOOR
(CC) INNER AIRLOCK DOOR
(DD) AIRLOCK ENTRY DOOR
(EE) DRINKS MACHINE
(FF) DECONTAMINATION
(GG) CONNECTING CORRIDOR
(HH) MOONBUGGY AIRLOCK INNER DOOR
(II) MOONBUGGY AIRLOCK OUTER DOOR
(JJ) MOONBUGGY RAMP
(KK) GEAR STORAGE
(LL) AIRLOCK CONTROL PANEL



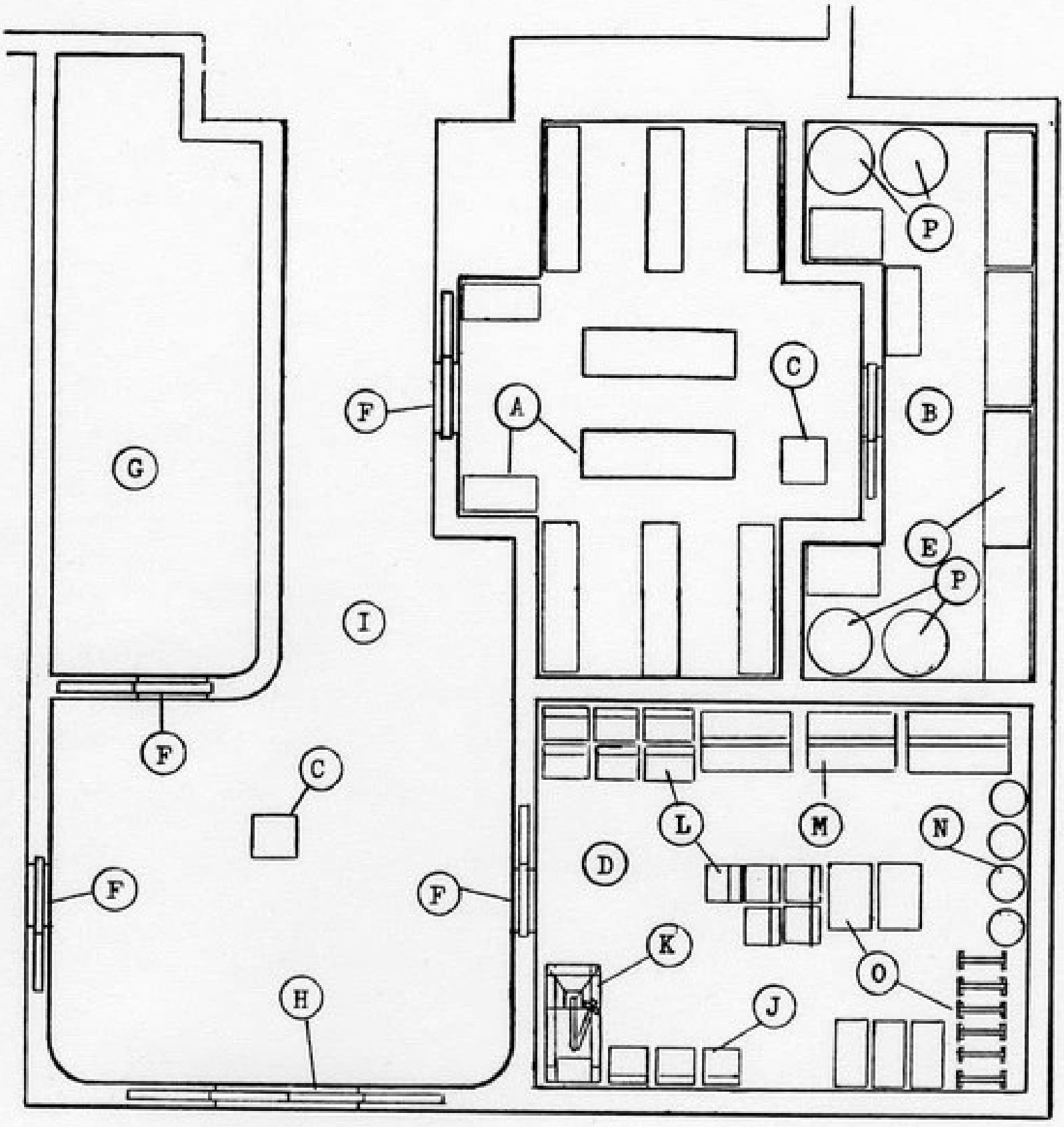


COMPLEMENT:
TECHNICIANS: 3

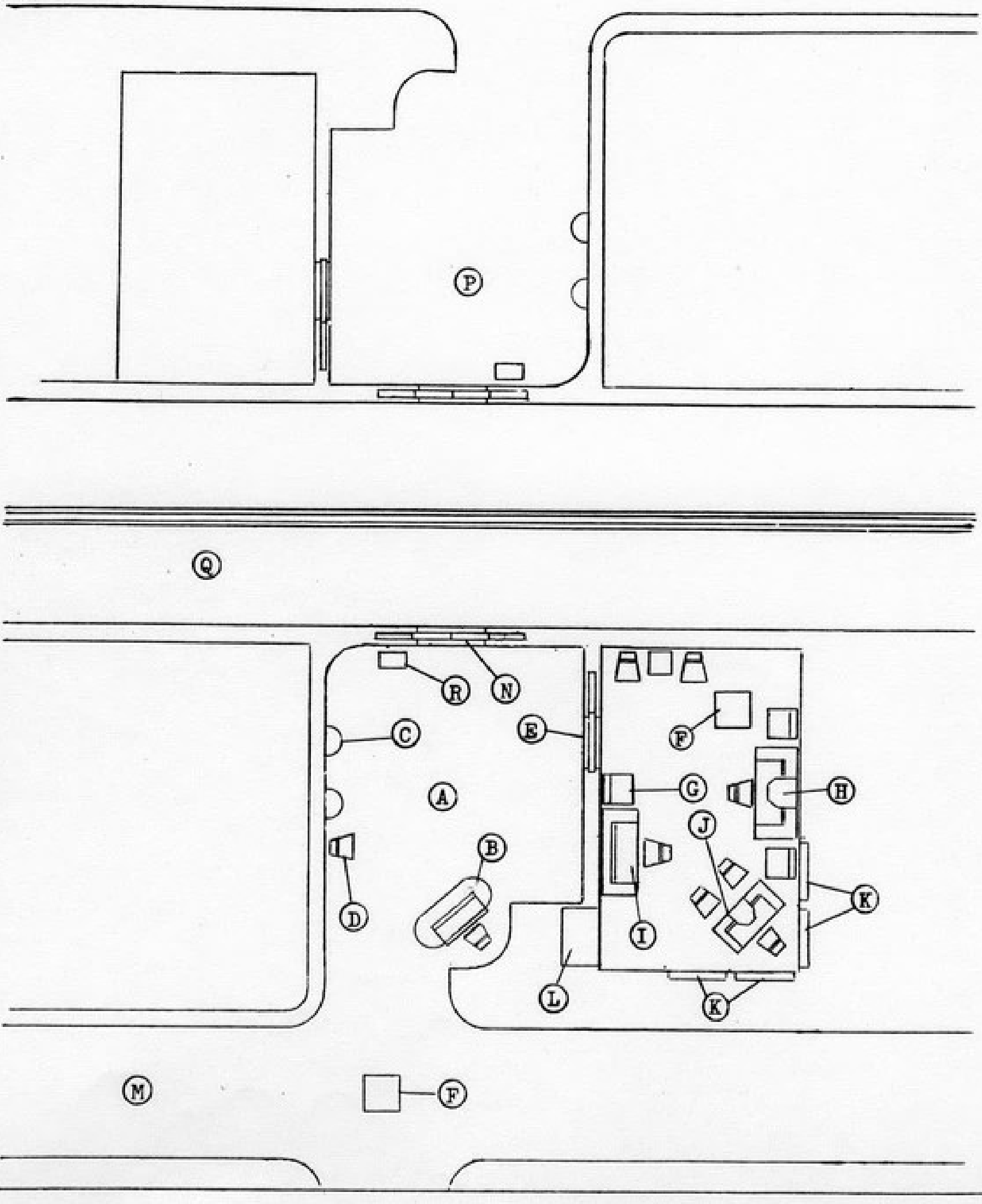
MEDICAL CENTER
MAIN DIAGNOSTIC UNIT
LEVEL J



MEDICAL STORES
LEVEL M



RECEPTION AREA
UNDERGROUND LEVELS



Key

MEDICAL CENTER/MAIN DIAGNOSTIC UNIT
LEVEL J (ALPHA-1055)

(A) DOUBLE SLIDING DOORS
(B) BEDS (6) MEDICAL COMPUTERS IN WALL
(C) OPERATING TABLE
(D) STRUCTURE BEAM/MEDICAL LIGHT ATTACHED
(E) LIFE SUPPORT UNIT
(F) MOBILE WALL UNIT
(G) COMMUNICATIONS POST
(H) MEDICINE TABLE
(I) MOBILE MONITORING UNIT
(J) MEDICAL INSTRUMENT TABLE
(K) MEDICAL OFFICER'S DESK AND CHAIR
(L) DESK AND CHAIR
(M) SINGLE SLIDING DOOR
(N) BODY SYSTEMS MONITORING UNIT
(O) FILING UNIT
(P) DIAGNOSTIC TABLE
(Q) MEDICAL COMPUTER
(R) BATHTUB
(S) SINKS (2)
(T) TOILET (2)
(U) CORRIDOR
(V) WASTE DISPOSAL CAN (2)
(W) DIAGNOSTIC OBSERVATION ROOM
(X) OBSERVATION WINDOW

COMPLEMENT:
MEDICAL OFFICERS (2)
NURSES (3)

MEDICAL STORES/LEVEL M (ALPHA-1056)

(A) MEDICAL SUPPLIES STORAGE SHELVES
(B) REFRIGERATED SUPPLIES STORE
(C) COMMUNICATIONS POST
(D) MEDICAL EQUIPMENT STORAGE UNIT
(E) STORAGE UNITS WITH INDIVIDUAL TEMPERATURE CONTROLS
(F) SINGLE SLIDING DOOR
(G) MEDICAL LINEN STORAGE UNIT
(H) ELEVATOR DOORS
(I) CORRIDOR
(J) MOBILE FILING UNITS
(K) THERMOGRAPHIC SCAN MACHINE
(L) MOBILE MONITORING UNITS
(M) LIFE SUPPORT UNITS
(N) WASTE DISPOSAL CANISTERS
(O) MEDICINE RACKS/TABLES
(P) SPERM BANK STORAGE CONTAINER

RECEPTION AREA/UNDERGROUND LEVELS
(ALPHA-1057)

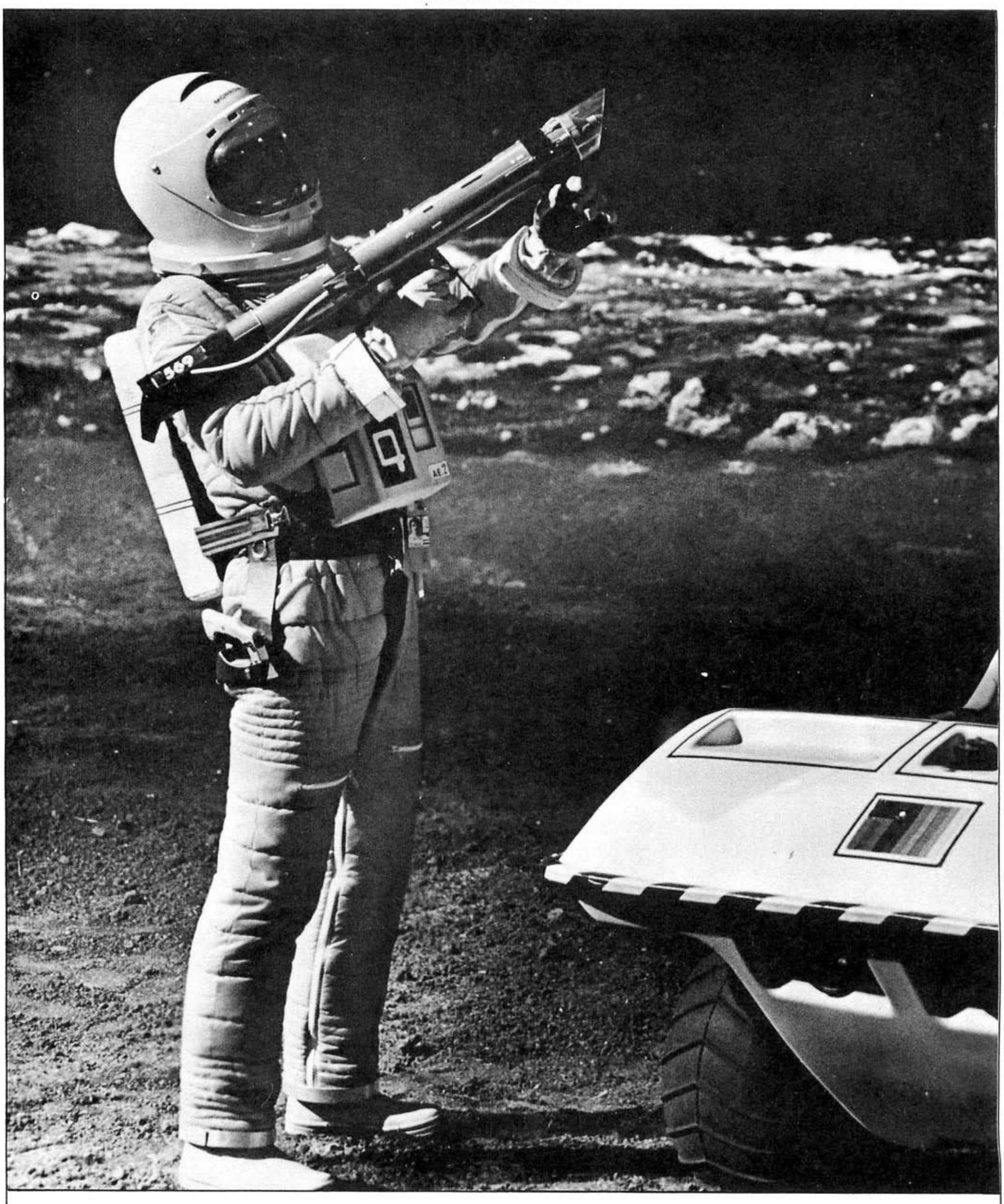
(A) MAIN RECEPTION AREA
(B) RECEPTIONIST'S DESK AND CHAIR
(C) VISUAL PHONE CENTER
(D) TRAVEL TUBE WAITING CHAIR
(E) SINGLE SLIDING DOOR
(F) COMMUNICATIONS POST
(G) MOBILE FILING UNIT
(H) SECTION MONITORING DESK
(I) COMMLOCK ISSUER'S DESK
(J) SECTION ORIENTATER'S DESK
(K) WALL MAPS OF THE SECTIONS FOUR DIFFERENT LEVELS
(L) COMMLOCK STORAGE UNIT
(M) CORRIDOR
(N) DOUBLE SLIDING DOORS
(O) TRAVEL TUBE TRACK
(P) RECEPTION AREA ON OTHER SIDE OF TRAVEL TUBE
(Q) TRAVEL TUBE TUNNEL
(R) DRINKS MACHINE

COMPLEMENT:
DATA TECHNICIANS (4)

AFTER BREAKAWAY ONLY THE GENERAL OPERATIONS SECTIONS CONTINUED THE BASIC RECEPTIONIST AND RECEPTION AREA SERVICES FOR NORMAL FLOW OF MOONBASE FUNCTIONS. ALL OTHER RECEPTION AREAS OF NON IMPORTANCE TO THE FUNCTION OF THE BASE (I.E. LIVING AREA-RECREATION AREA-MOONBASE ORIENTATION CENTER-AND CERTAIN AREAS OF EVERY SECTION) CLOSED DOWN AND THE TECHNICIANS REASSIGNED ELSEWHERE WITHIN THE DATA SECTION OR OTHER DEPARTMENTS DEPENDING ON THE INDIVIDUAL'S BACKGROUND.

WITH THE CASUALTY RATE AMONG THE MALE MEMBERS OF MOONBASE ALPHA EXTREMELY HIGH, 2225 DAY AFTER LEAVING EARTH. THE MEDICAL BOARD, HEADED BY DR. HELENA RUSSELL AND APPROVED BY COMMANDER JOHN KOENIG, CREATED A SPERM BANK TO ENSURE THE SURVIVAL OF THE HUMAN RACE SHOULD MOST OF THE MALES OF ALPHA DIE OR BECOME STERILE BY SOME YET UNKNOWN EVENT.

Series 3000

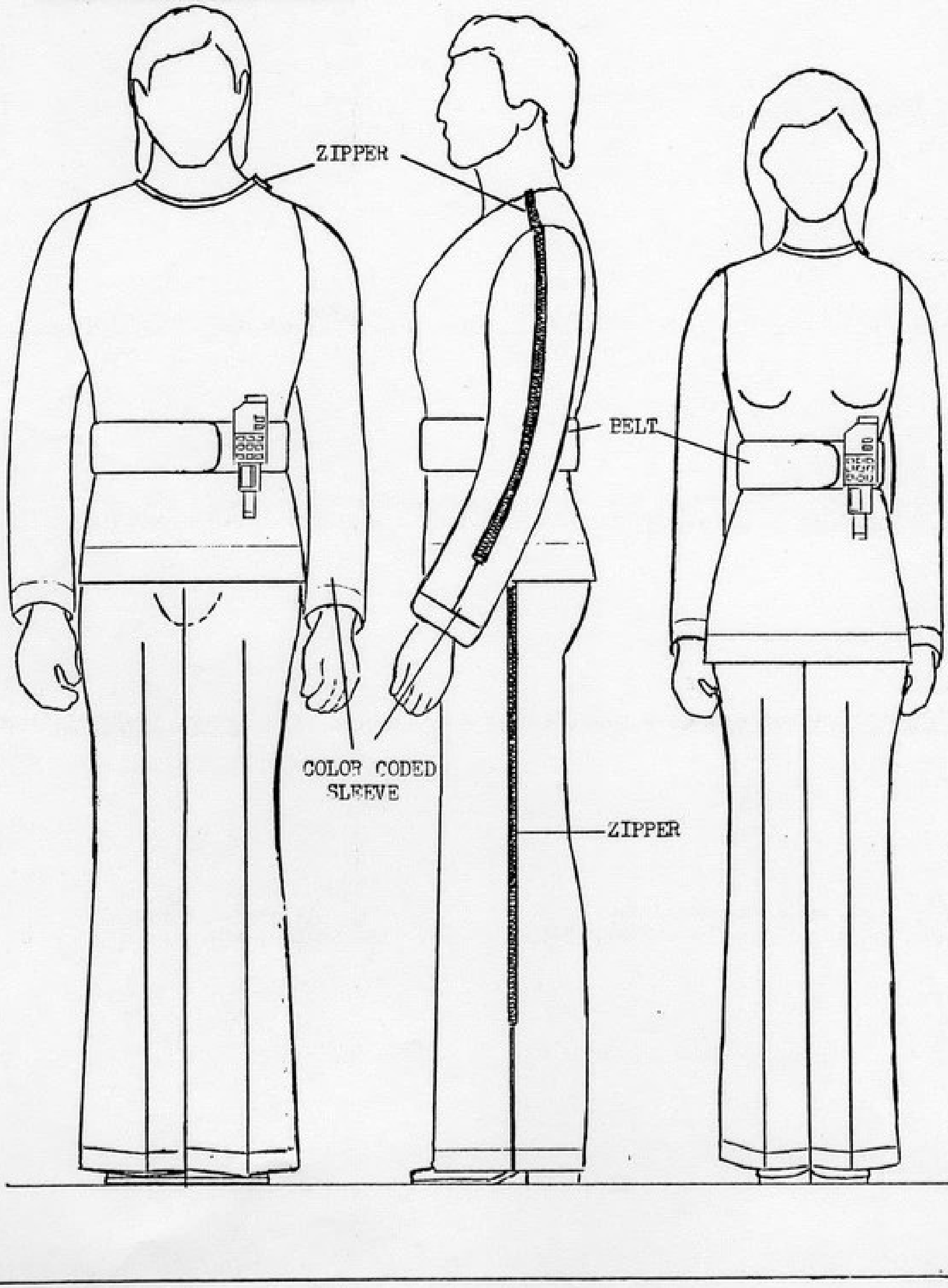


UNIFORMS

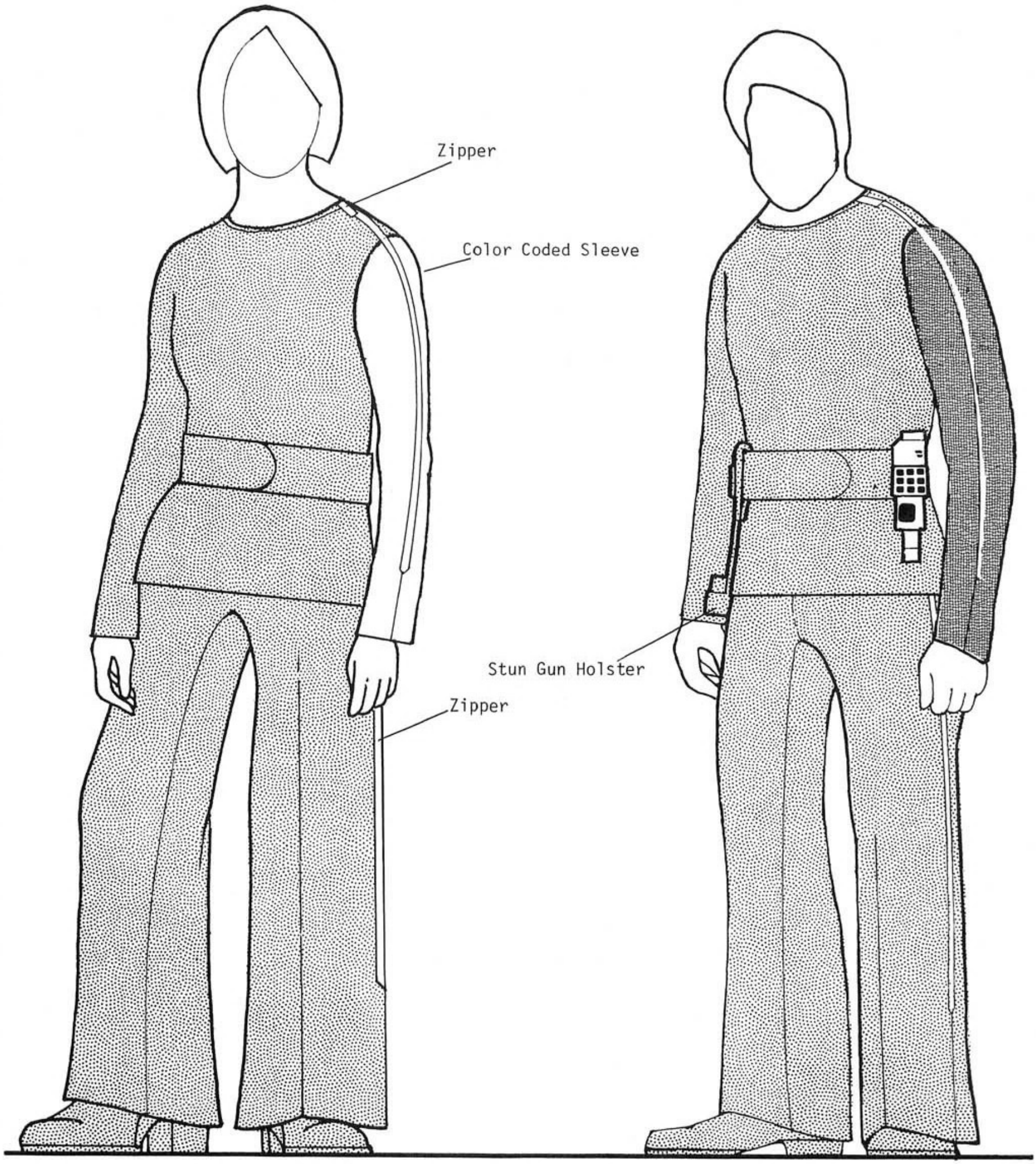
Uniforms Executive Officers 3000A

STANDARD UNISEX UNIFORMS

EARTH ISSUE FOR ALPHA BASE



UNISEX

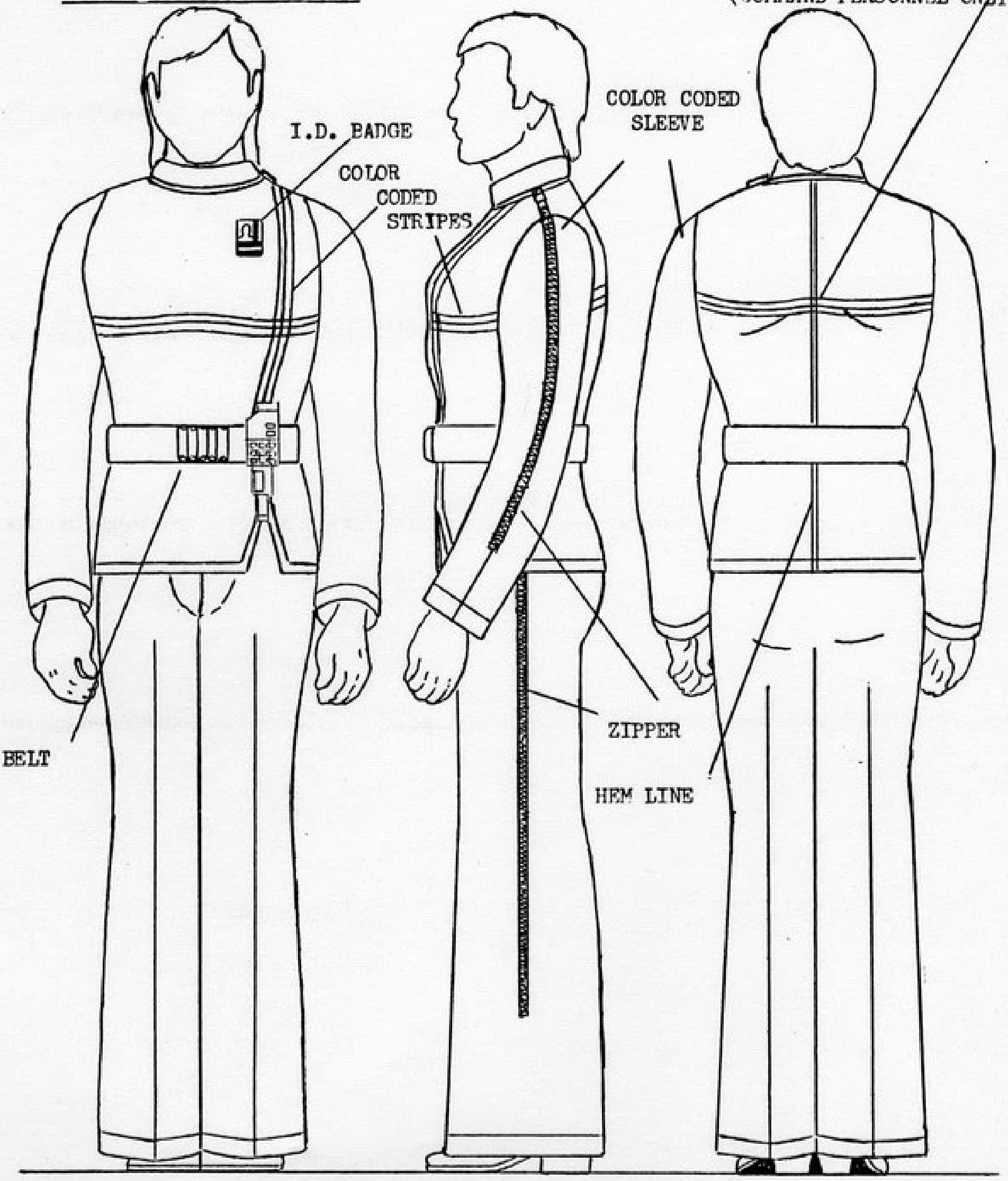


STANDARD FEMALE UNIFORM
early version

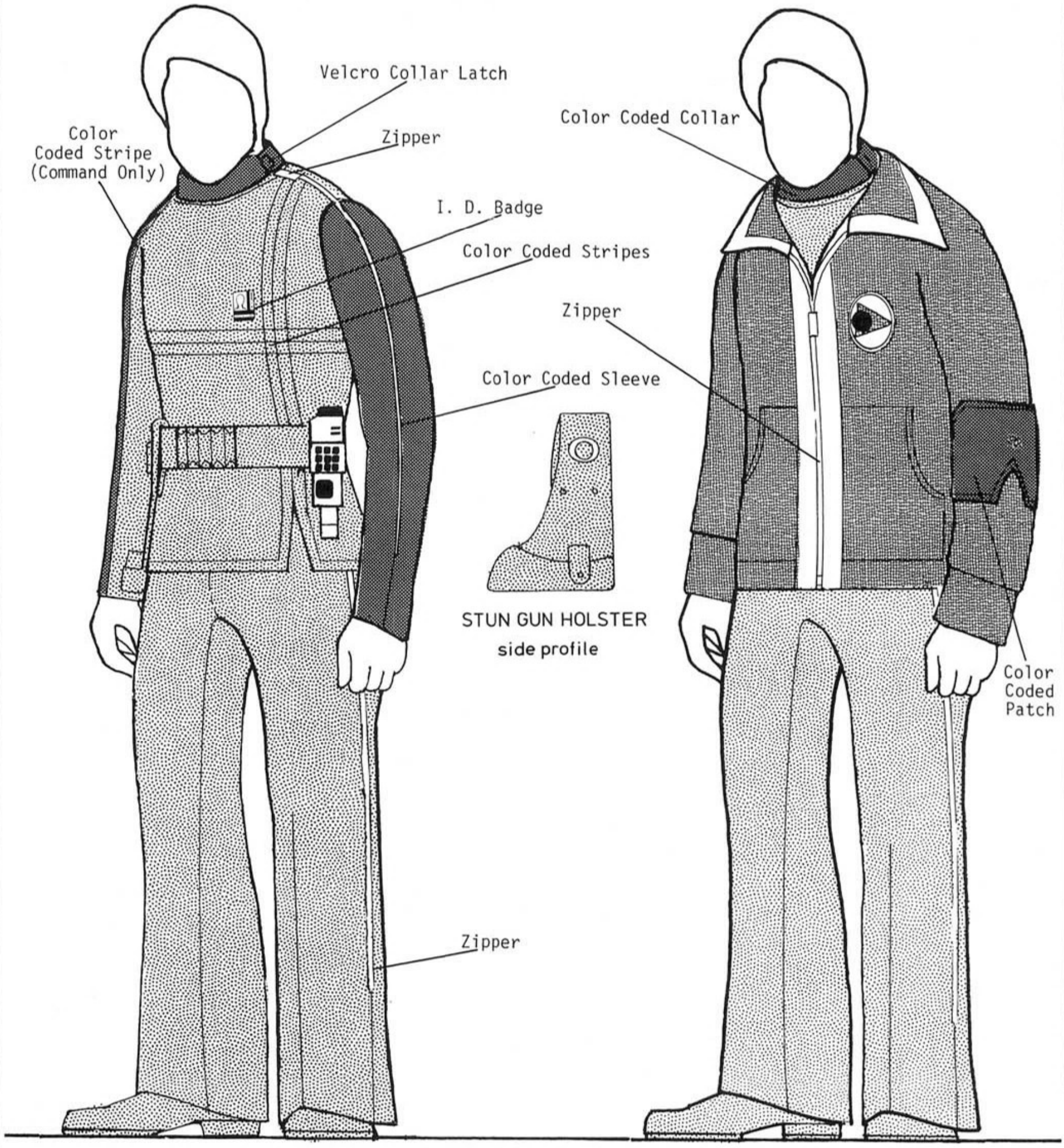
STANDARD MALE UNIFORM
early version

STANDARD MALE UNIFORM

CHIEF PILOT - ALAN CARTER



MALE



STUN GUN HOLSTER
side profile

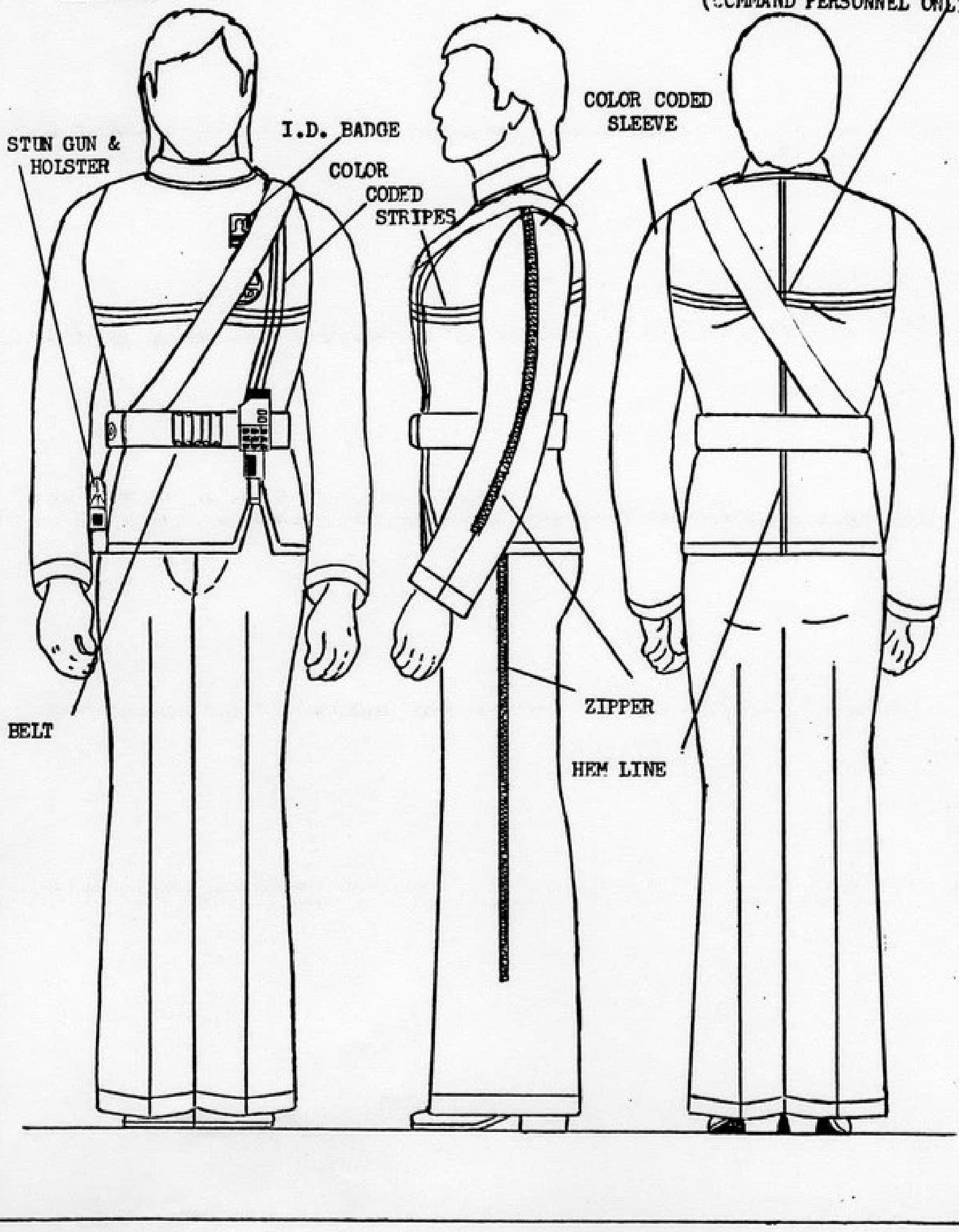
STANDARD MALE UNIFORM

STANDARD LIGHTWEIGHT JACKET

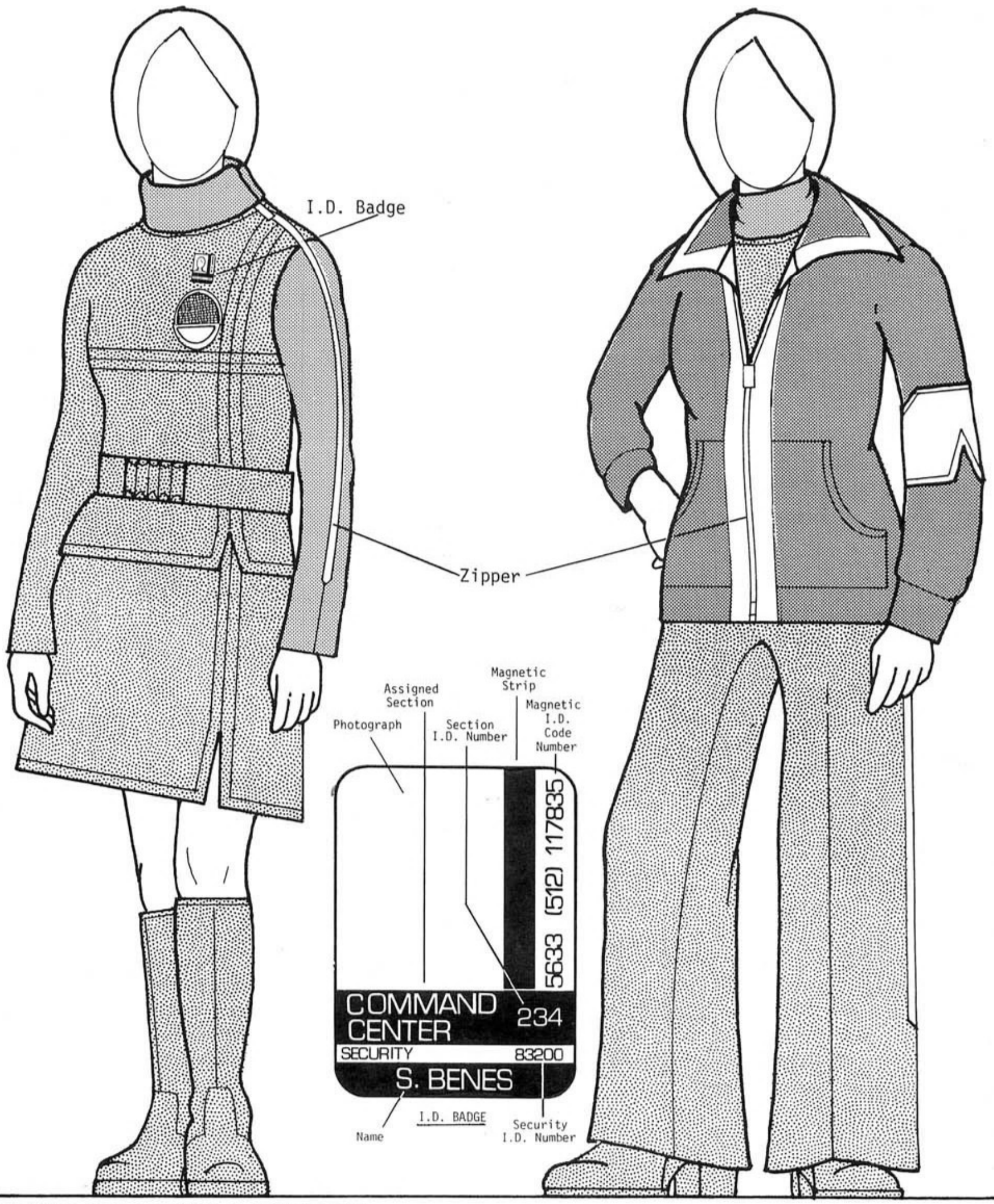
COLOR CODE:

BLACK - COMMAND
WHITE - MEDICAL
FLAME - MAIN MISSION
YELLOW - DATA
ORANGE - RECONNAISSANCE
RUST - TECHNICAL
PURPLE - SECURITY
KHAKI - VISITOR

STANDARD MALE UNIFORM
SECURITY



FEMALE



STANDARD FEMALE UNIFORM

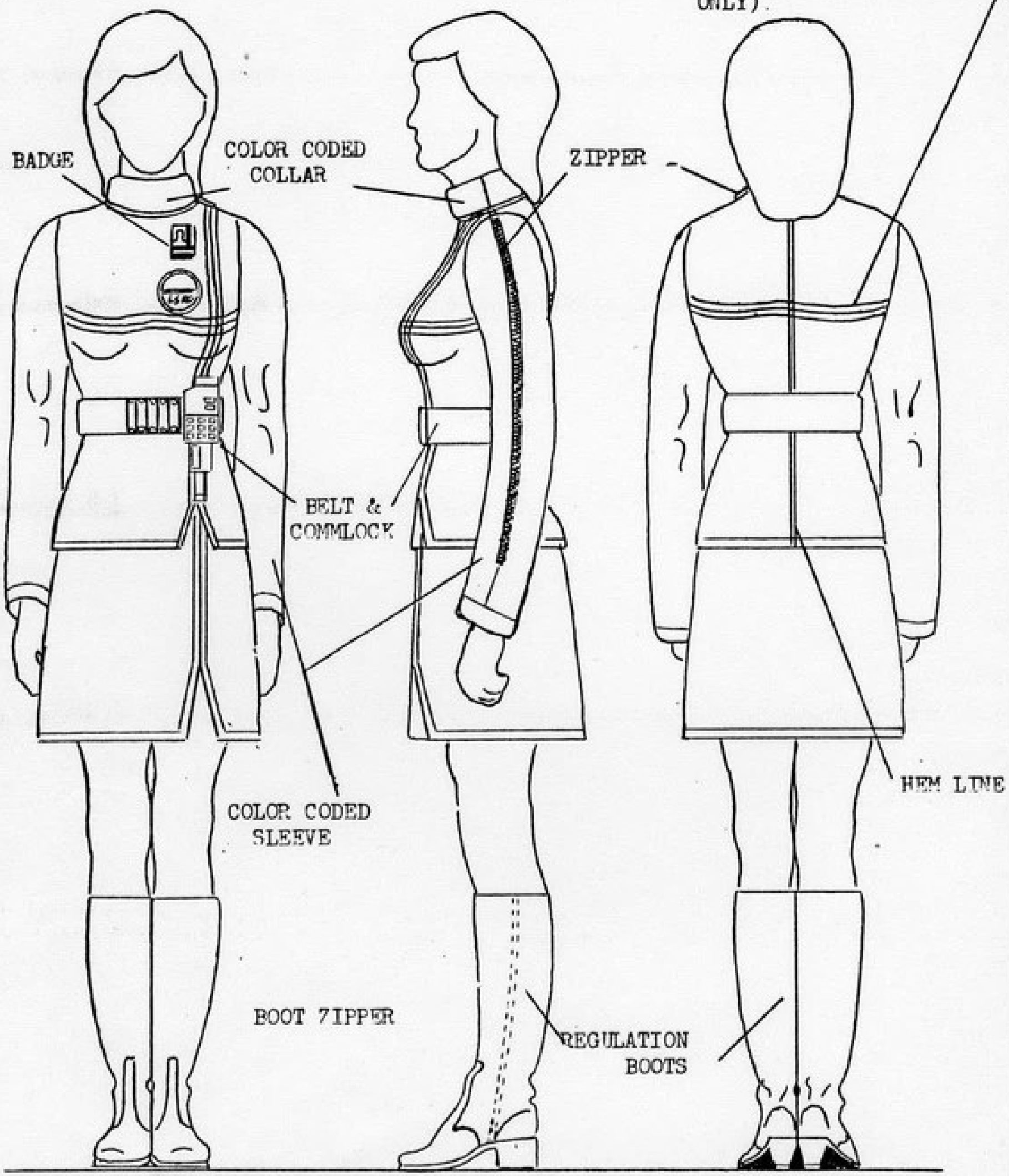
STANDARD LIGHTWEIGHT JACKET

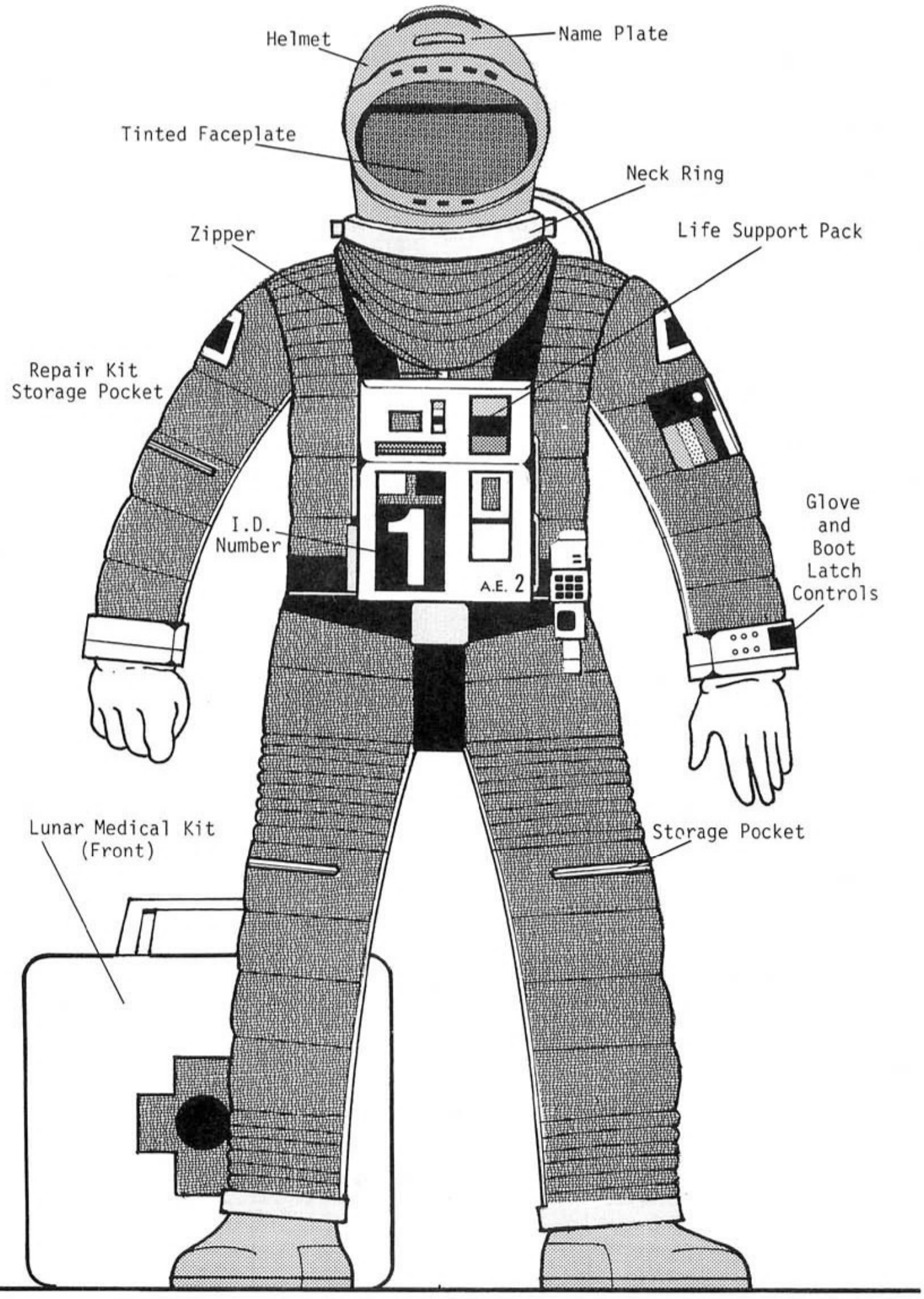
COLORS:

- YELLOW
- SILVER
- KHAKI
- FLAME
- BLUE
- BLACK

STANDARD FEMALE UNIFORM - DATA/SERVICE

STYLE A - SHORT SKIRT - DATA ANALYST SANDRA BENES

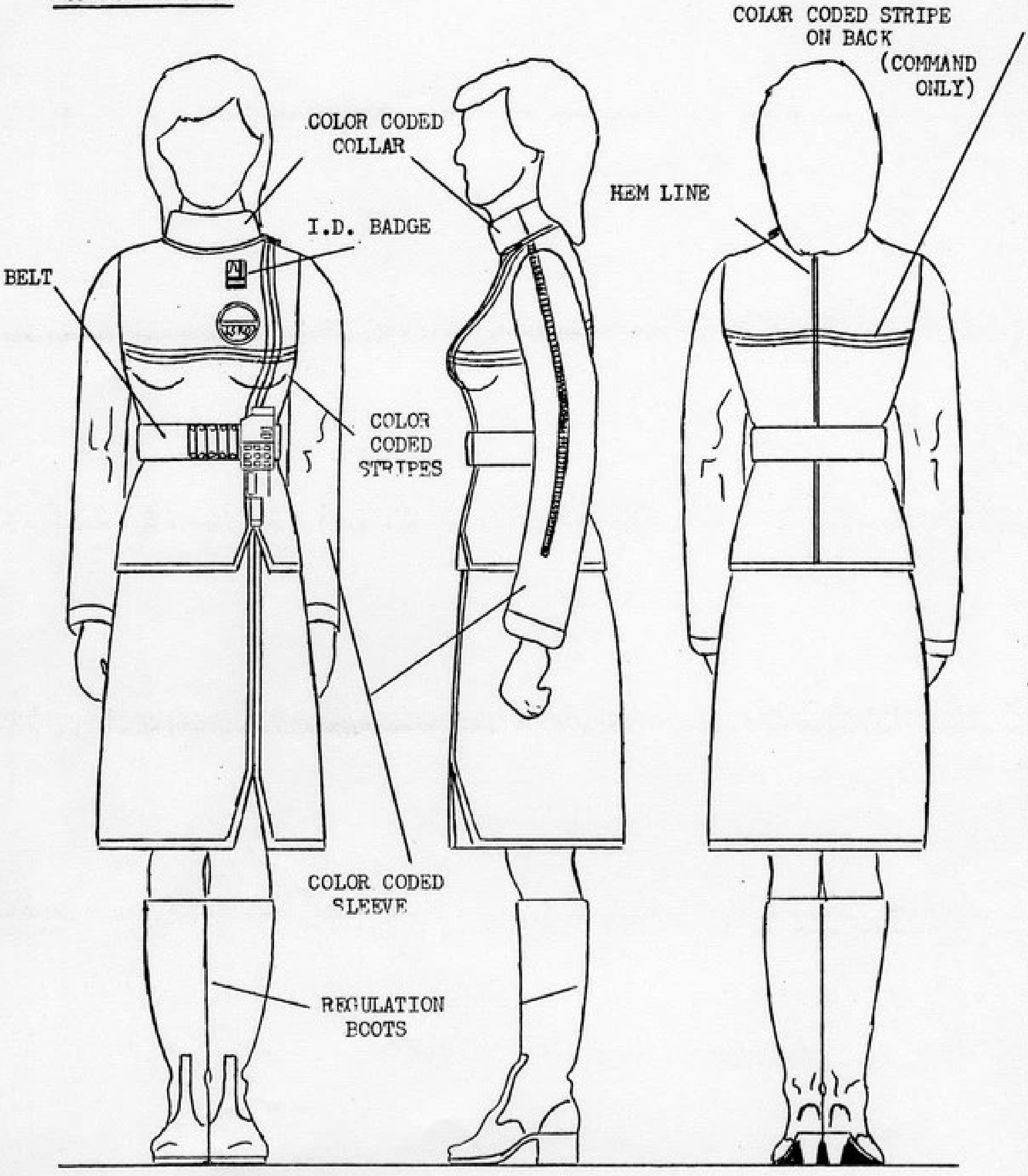


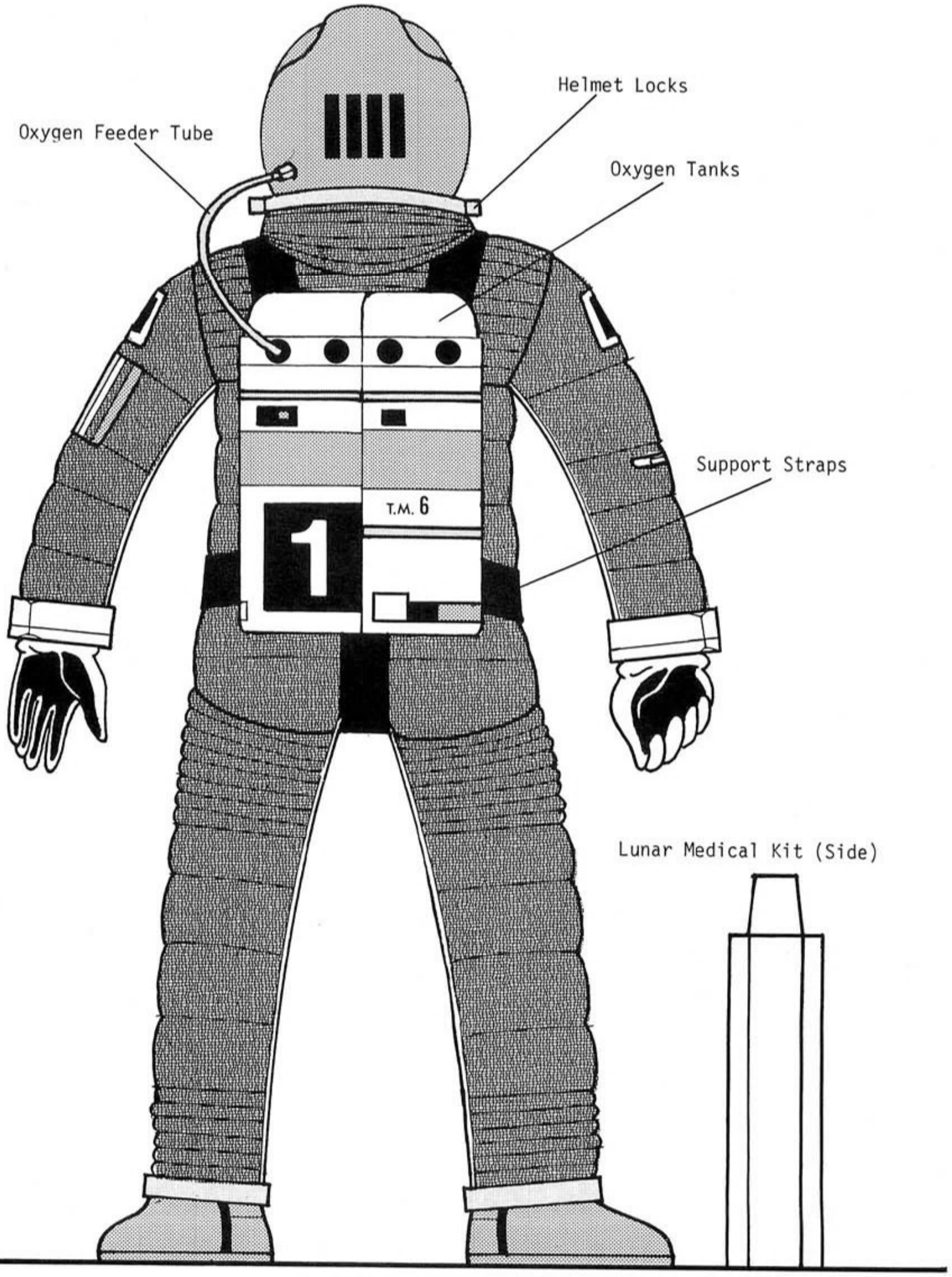


SPACE SUIT
front

STANDARD FEMALE UNIFORM - STYLE B - LONG SKIRT

SCIENCE OFFICER

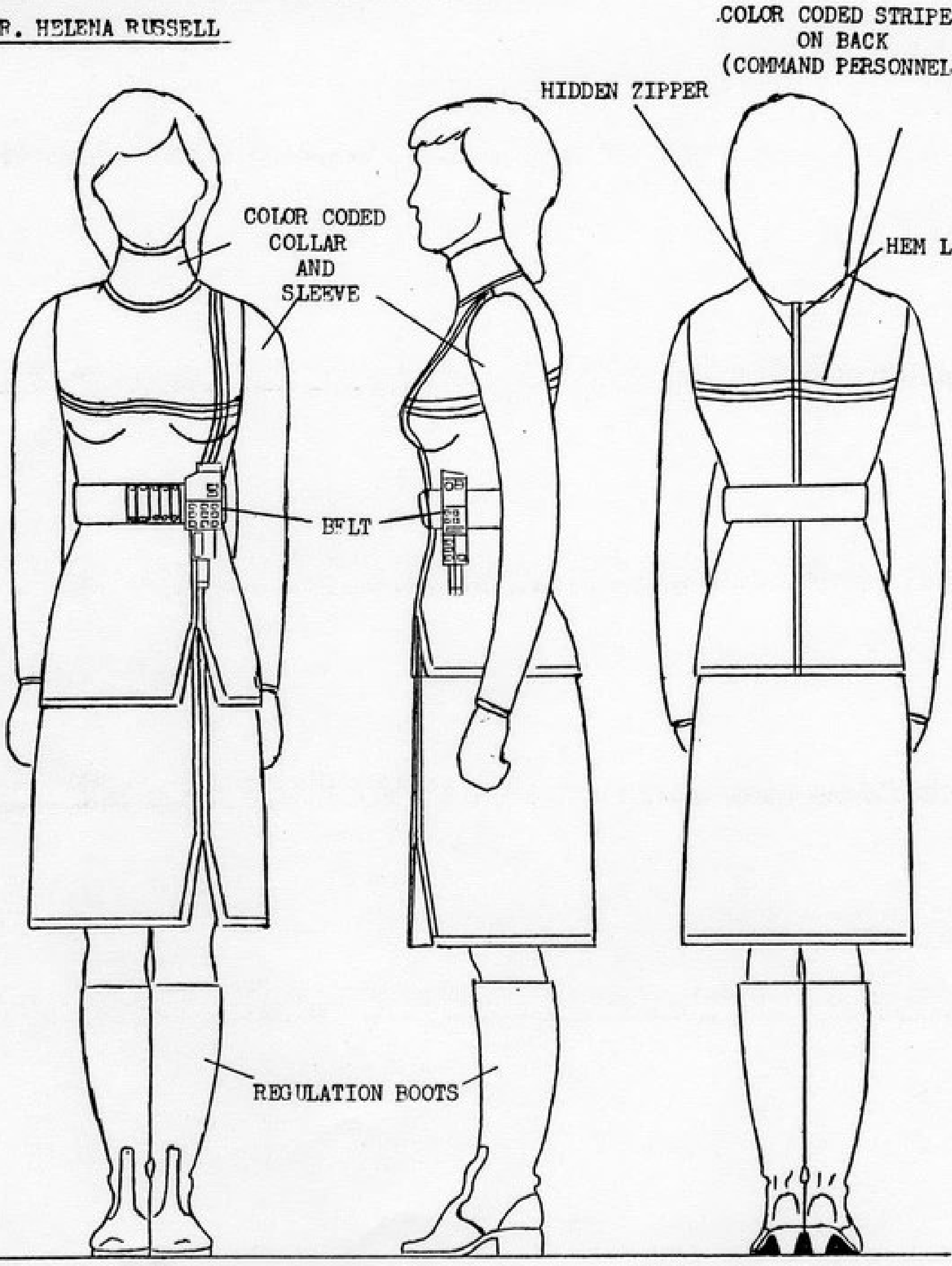




SPACE SUIT
rear

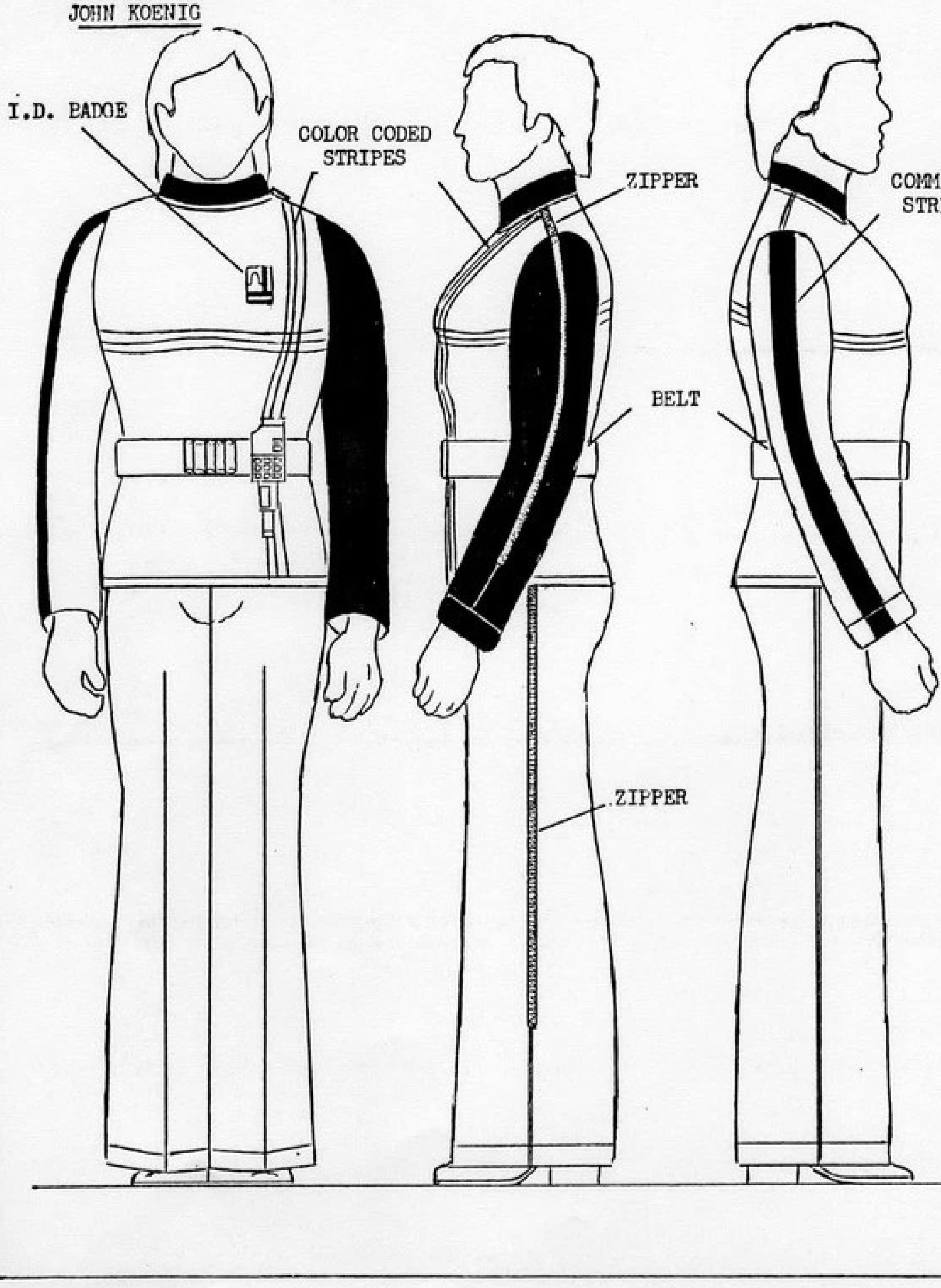
CHIEF MEDICAL OFFICER UNFORM - FEMALE

DR. HELENA RUSSELL



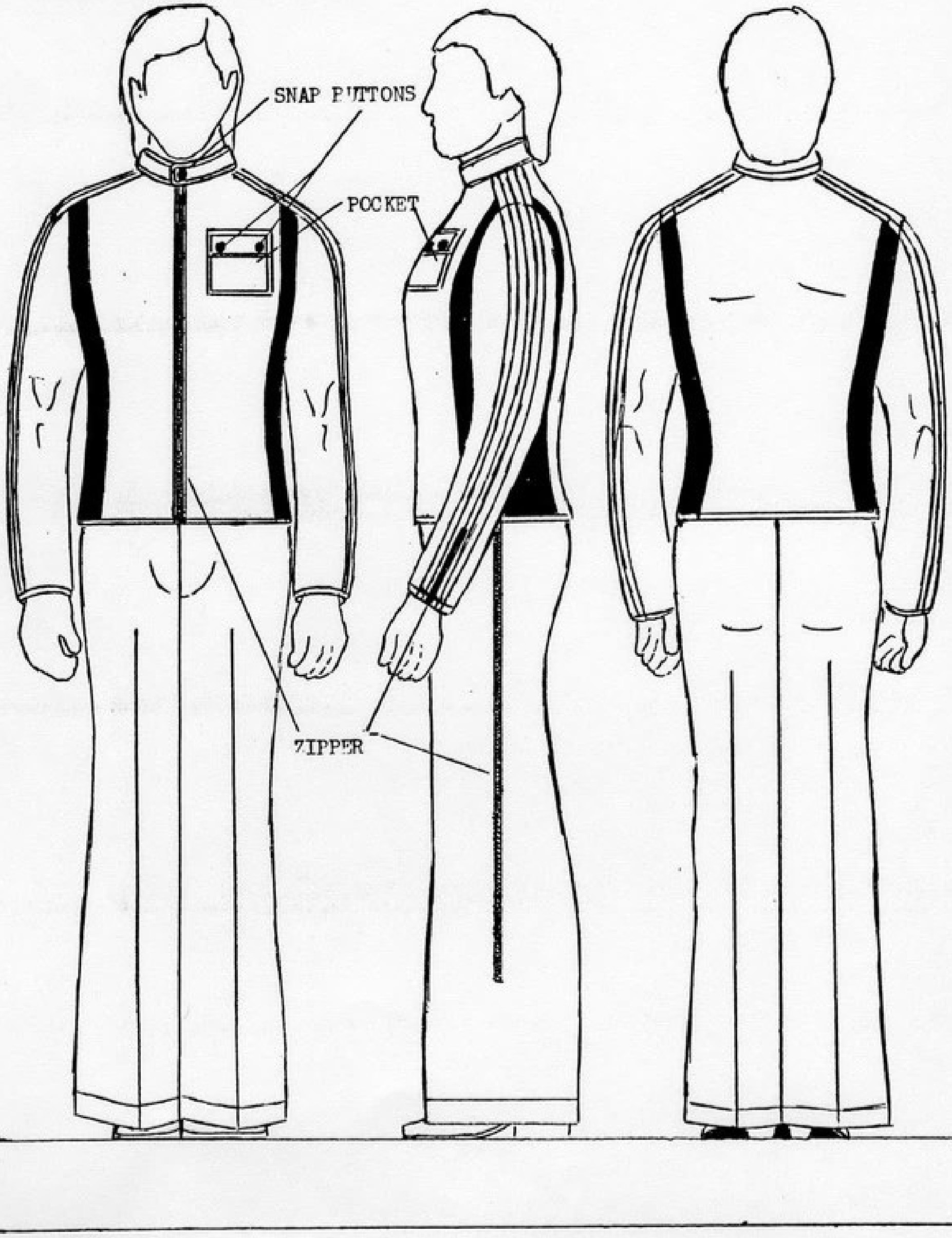
COMMANDER'S UNIFORM - MALE

JOHN KOENIG



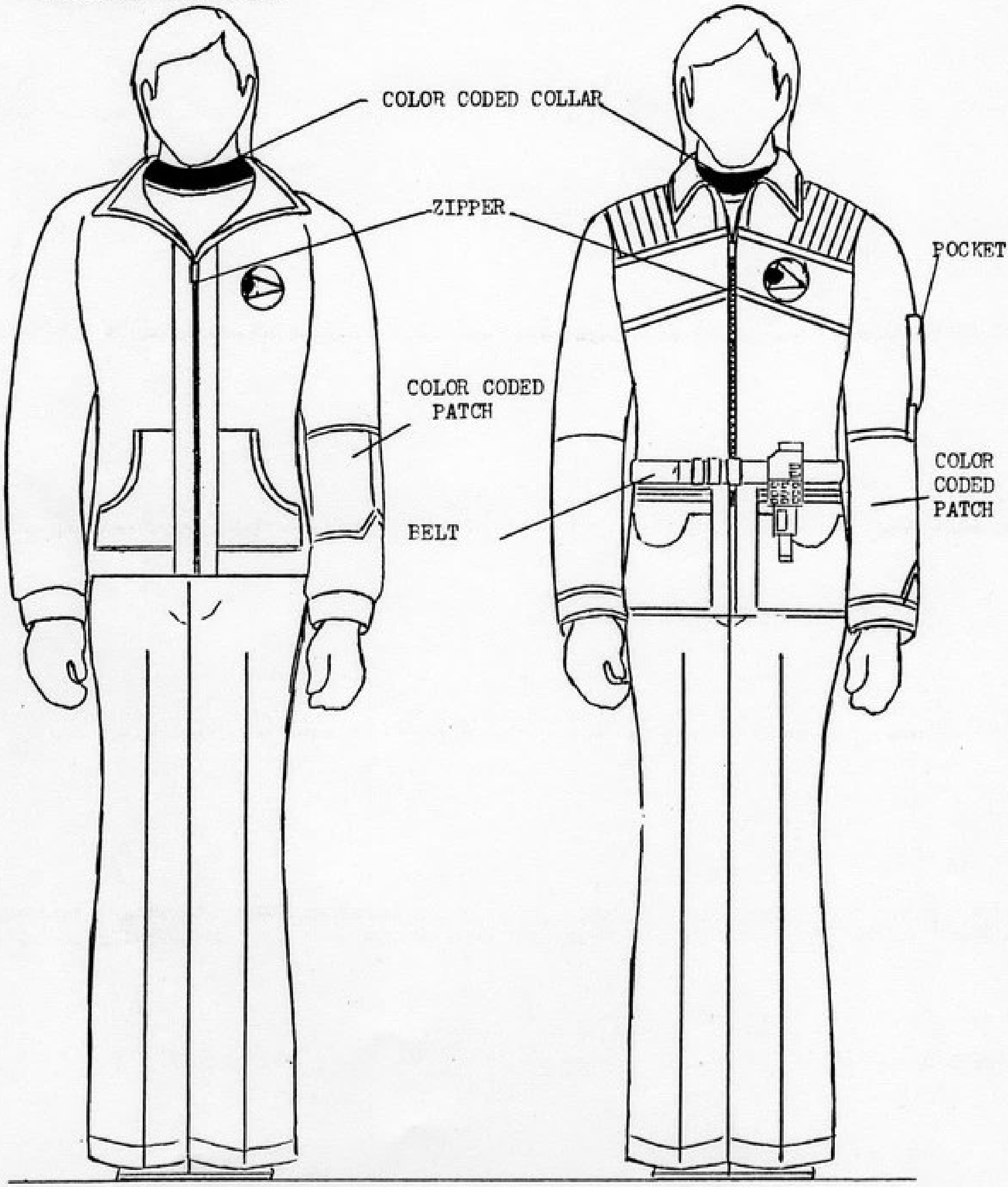
STANDARD LIGHTWEIGHT JACKET - UNISEX

EARTH ISSUE FOR ALPHA BASE



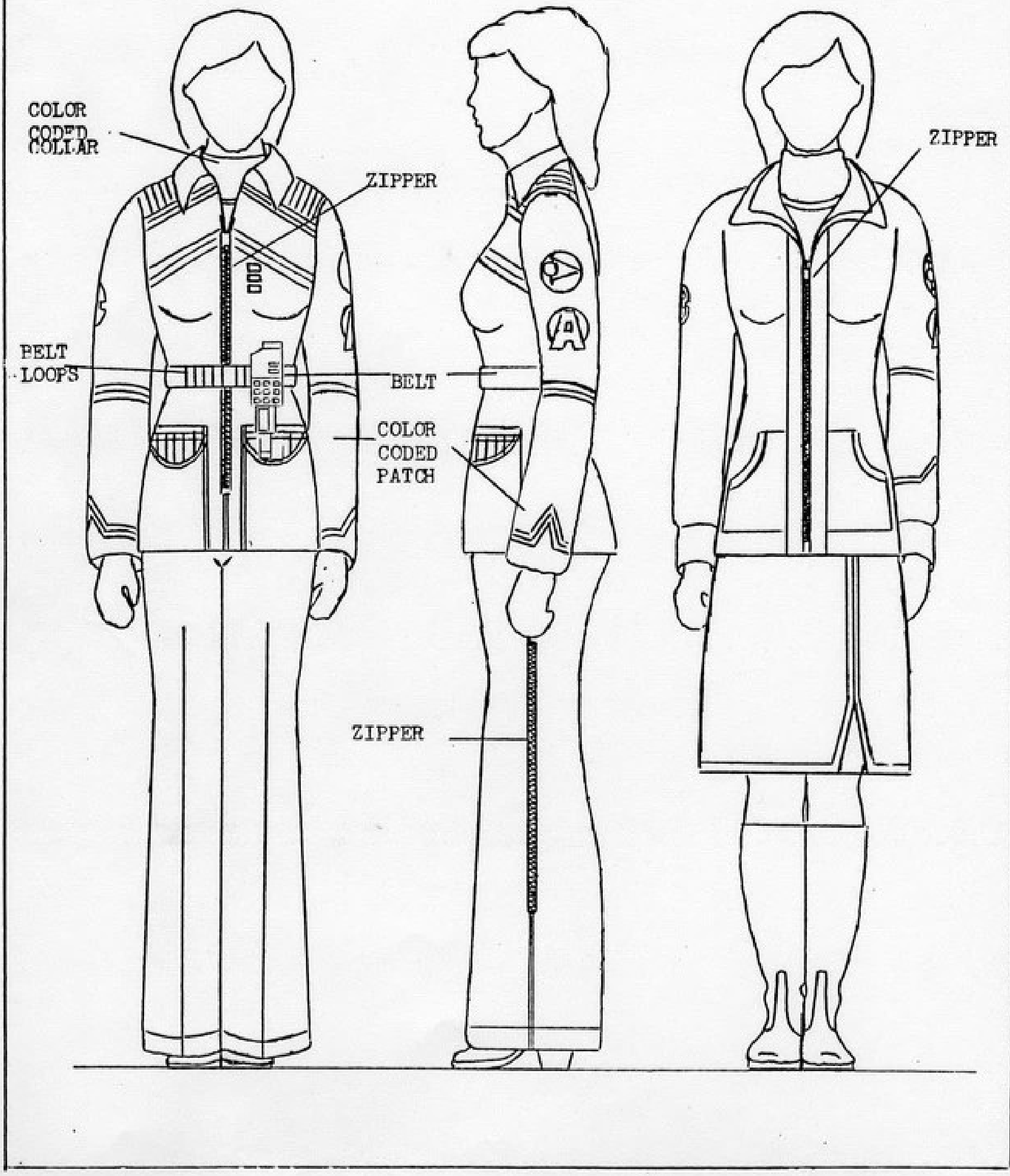
STANDARD JACKETS - MALE

COMMANDER JOHN KOENIG



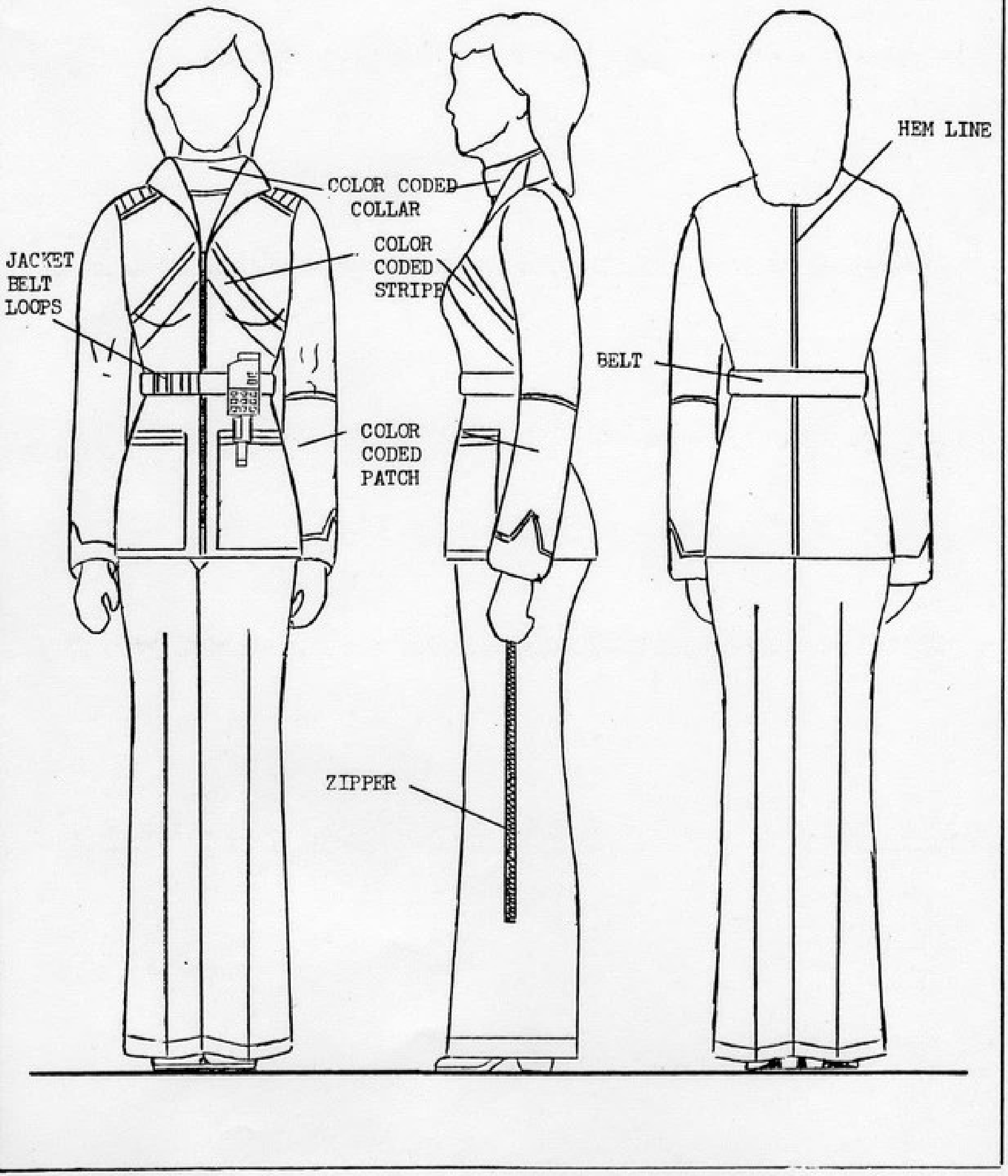
STANDARD JACKETS - FEMALE

DR. HELENA RUSSELL - MEDICAL



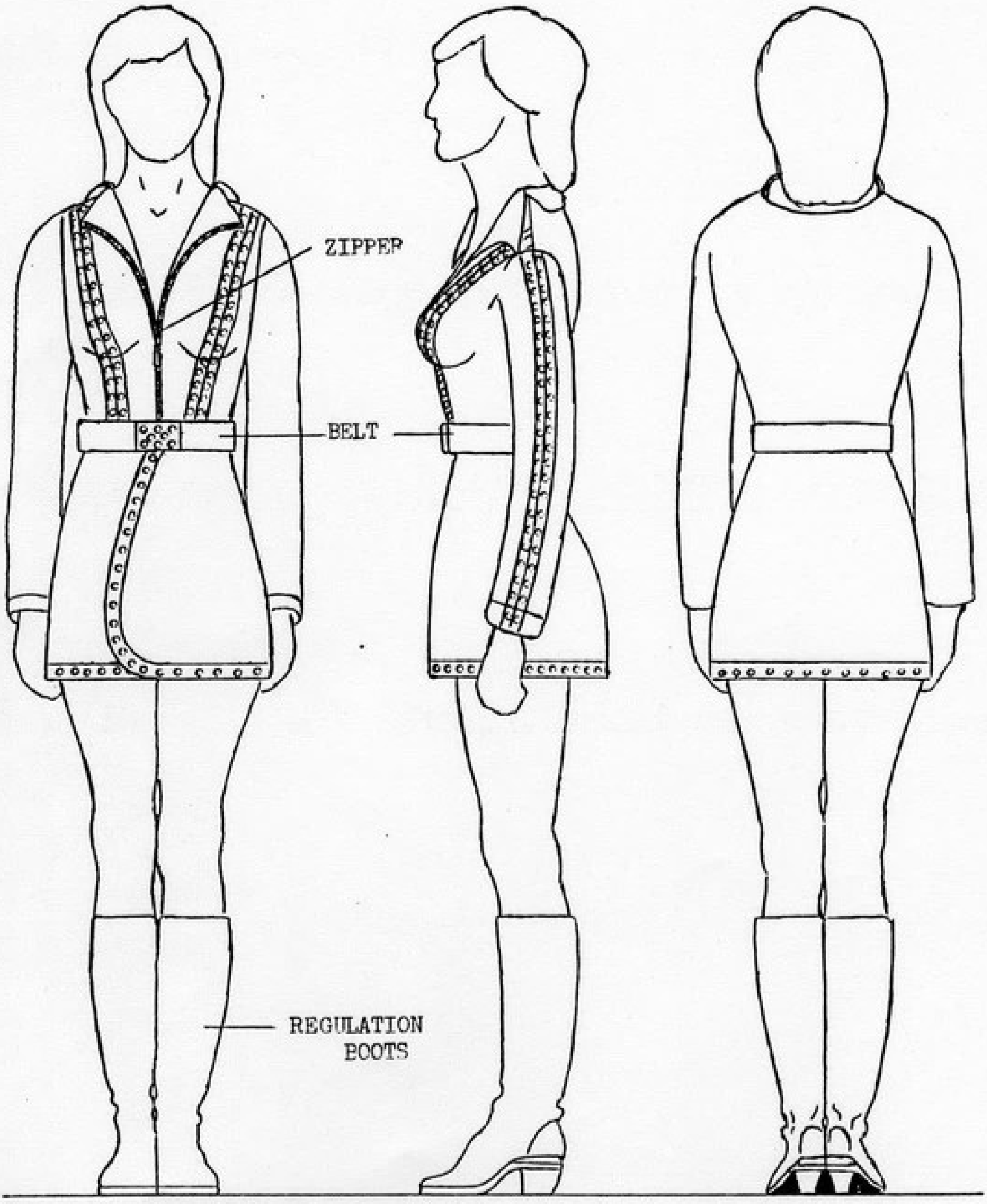
STANDARD JACKETS - FEMALE

MAYA - SCIENCE OFFICER



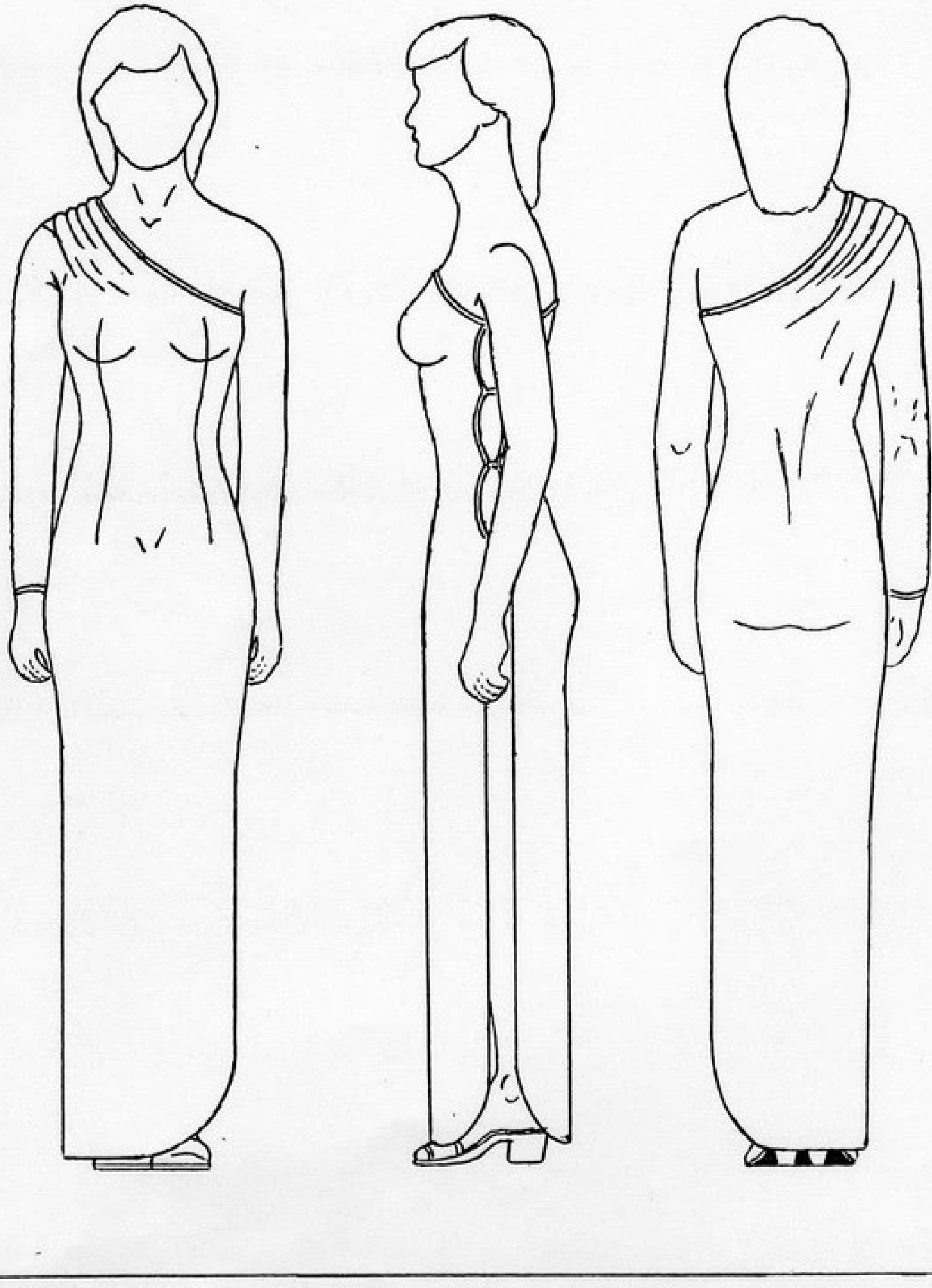
STANDARD RECREATION WEAR - FEMALE CASUAL

MAYA



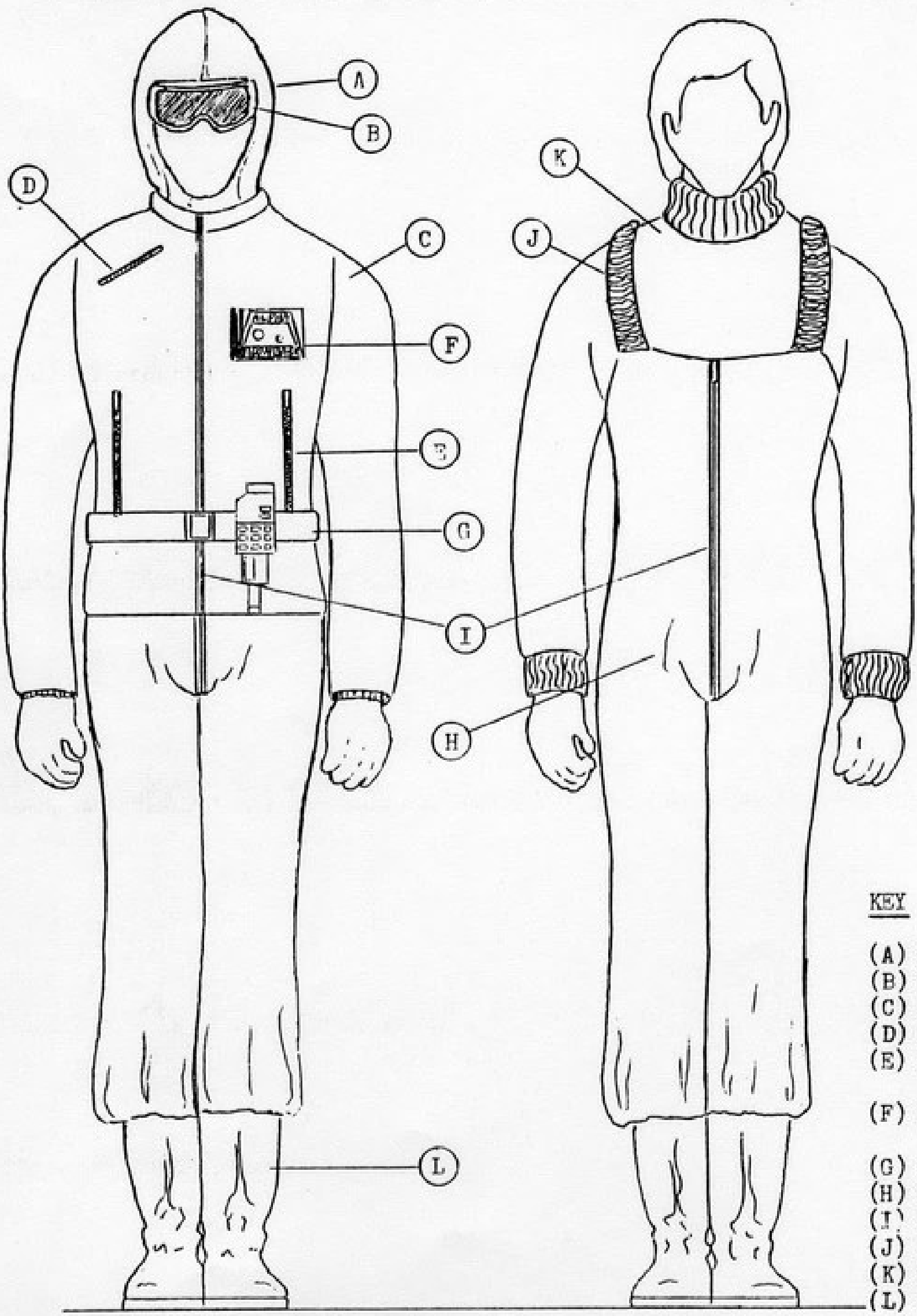
FORMAL EVENING GOWN - TIE UP SIDE OPENING

HELENA RUSSELL



STANDARD EMERGENCY CLOTHING - EARTH ISSUE FOR MOONBASE ALPHA

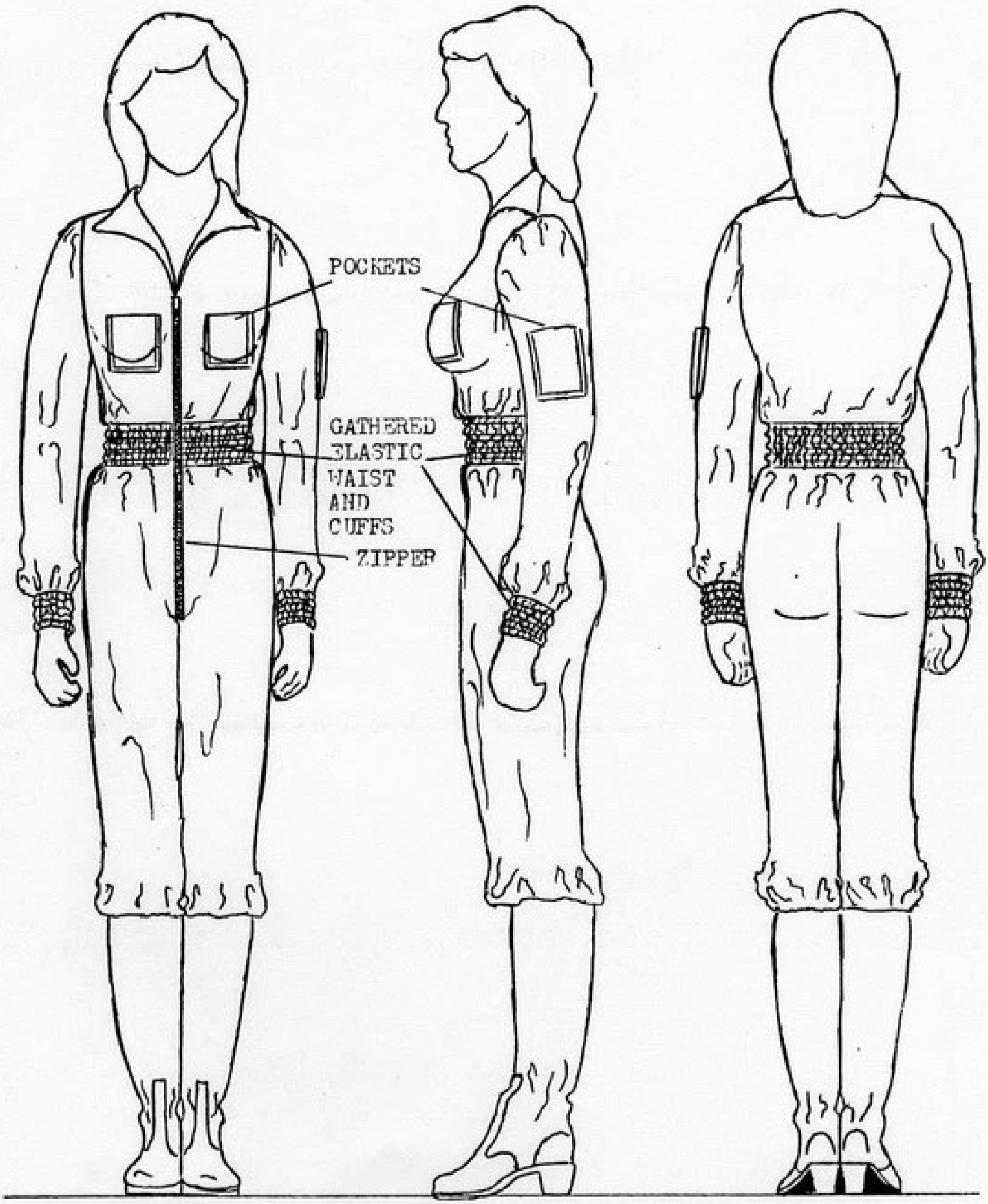
STANDARD COLD WEATHER SURVEY WEAR - ALPHA ISSUE 179 DAYS AFTER LEAVING EARTH



KEY

(A) HOOD
(B) GOGGLES
(C) JACKET
(D) ZIPPERED POCKET
(E) ZIPPERED HAND POCKETS
(F) MOONBASE ALPHA INSIGNIA
(G) BELT
(H) COVERALLS
(I) ZIPPER
(J) ELASTIC STRAPS
(K) SWEATER
(L) BOOTS

STANDARD WORKER JUMPSUIT - UNISEX
NON COLOR CODED

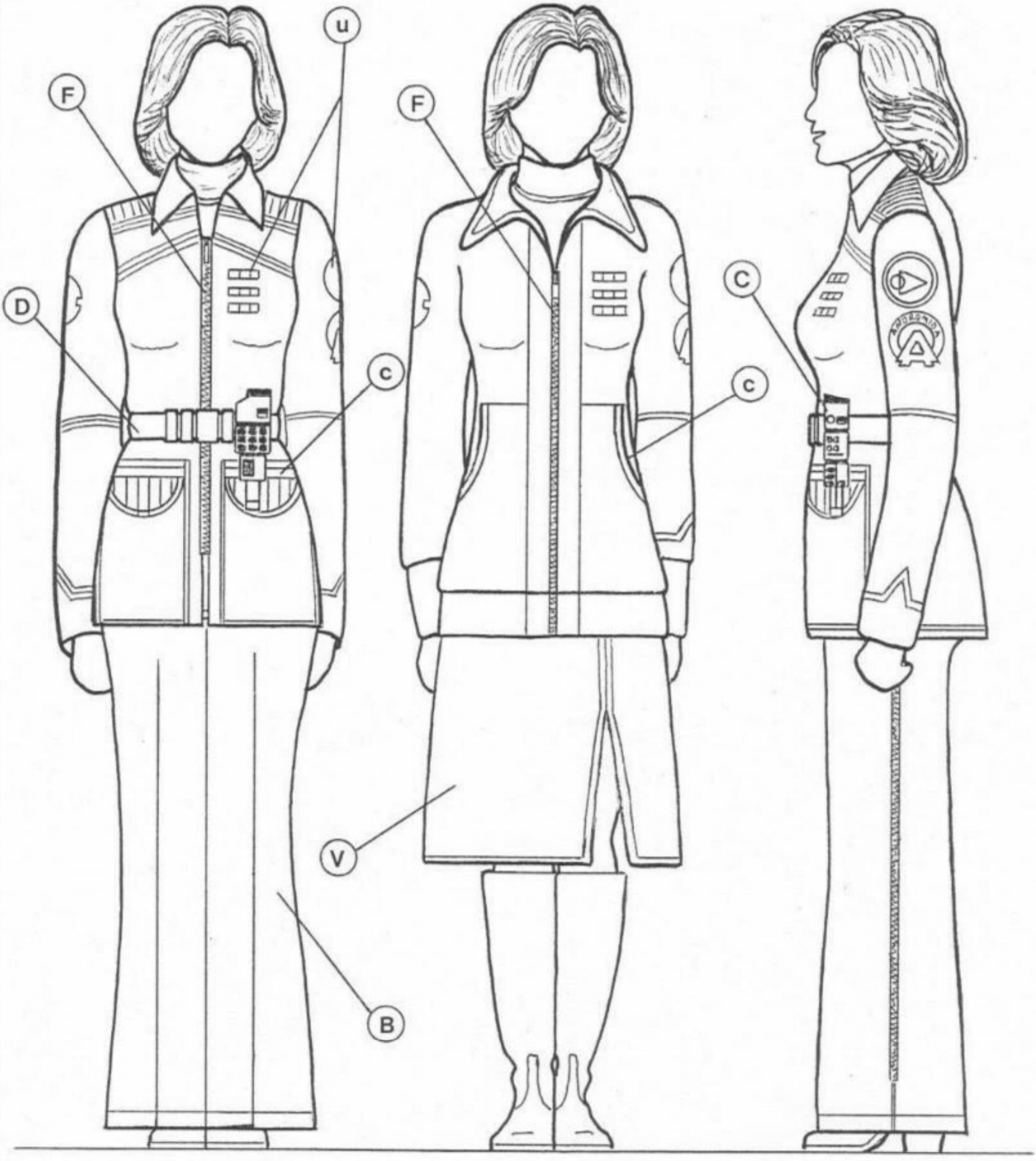


STANDARD COLORS

RED ☐ SALMON ☐ YELLOW ☐ LEMON ☐ GREEN ☐

BLUE ☐ PURPLE ☐ BROWN ☐ BLACK ☐ WHITE ☐

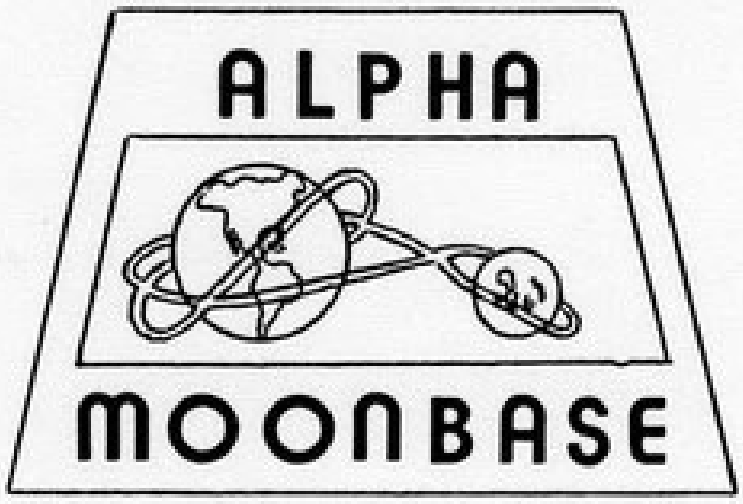
CHIEF MEDICAL OFFICER'S JACKETS
ALPHA ISSUE



HEAVY DUTY LIGHT WEIGHT HEAVY DUTY

DOCTOR HELENA RUSSELL

A



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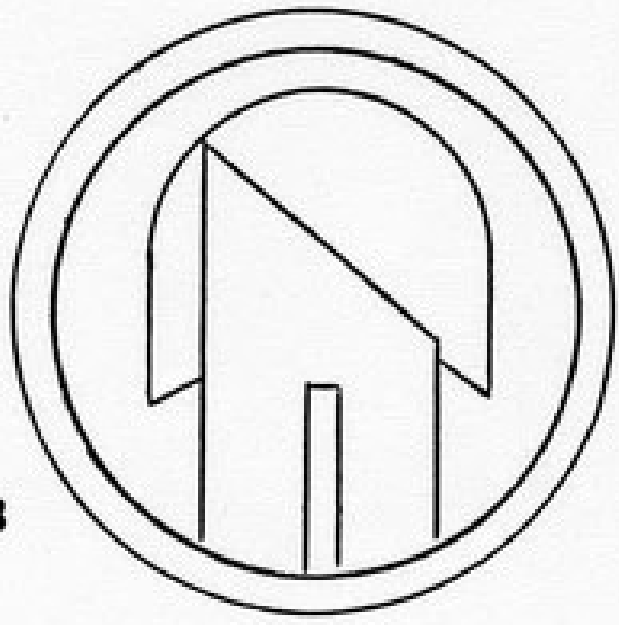

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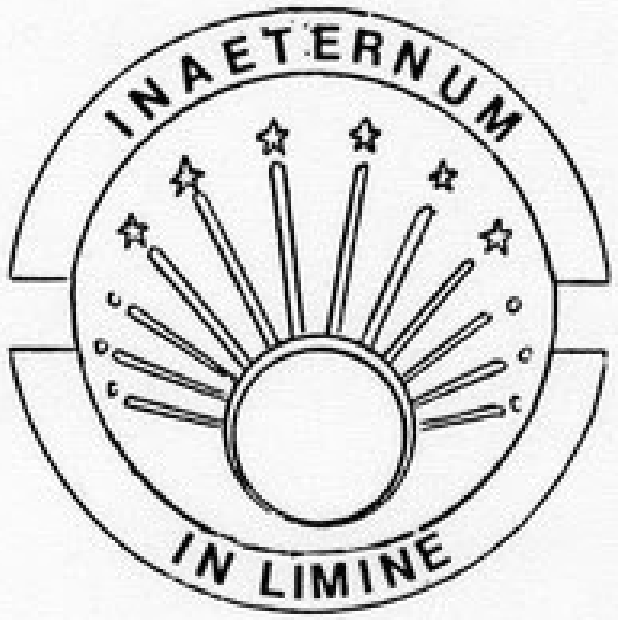

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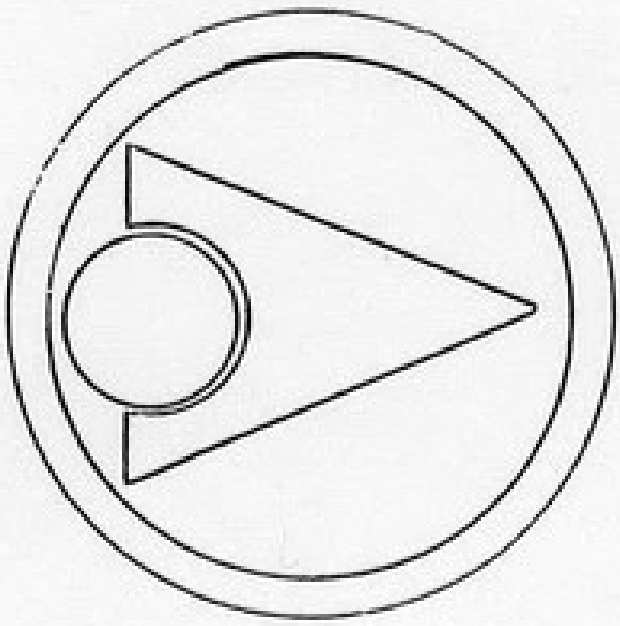

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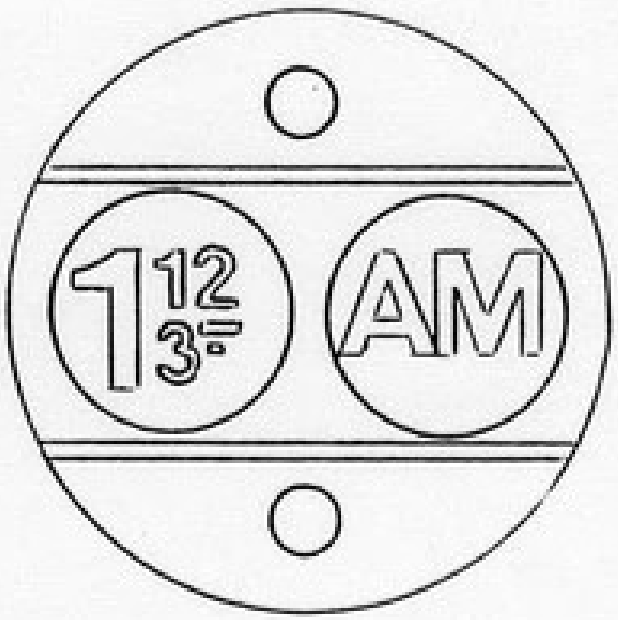

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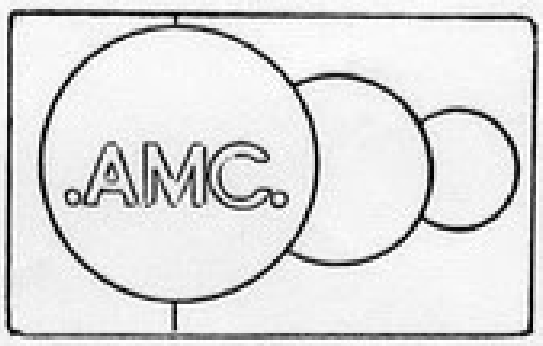

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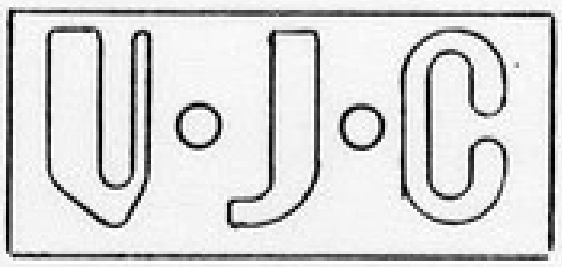
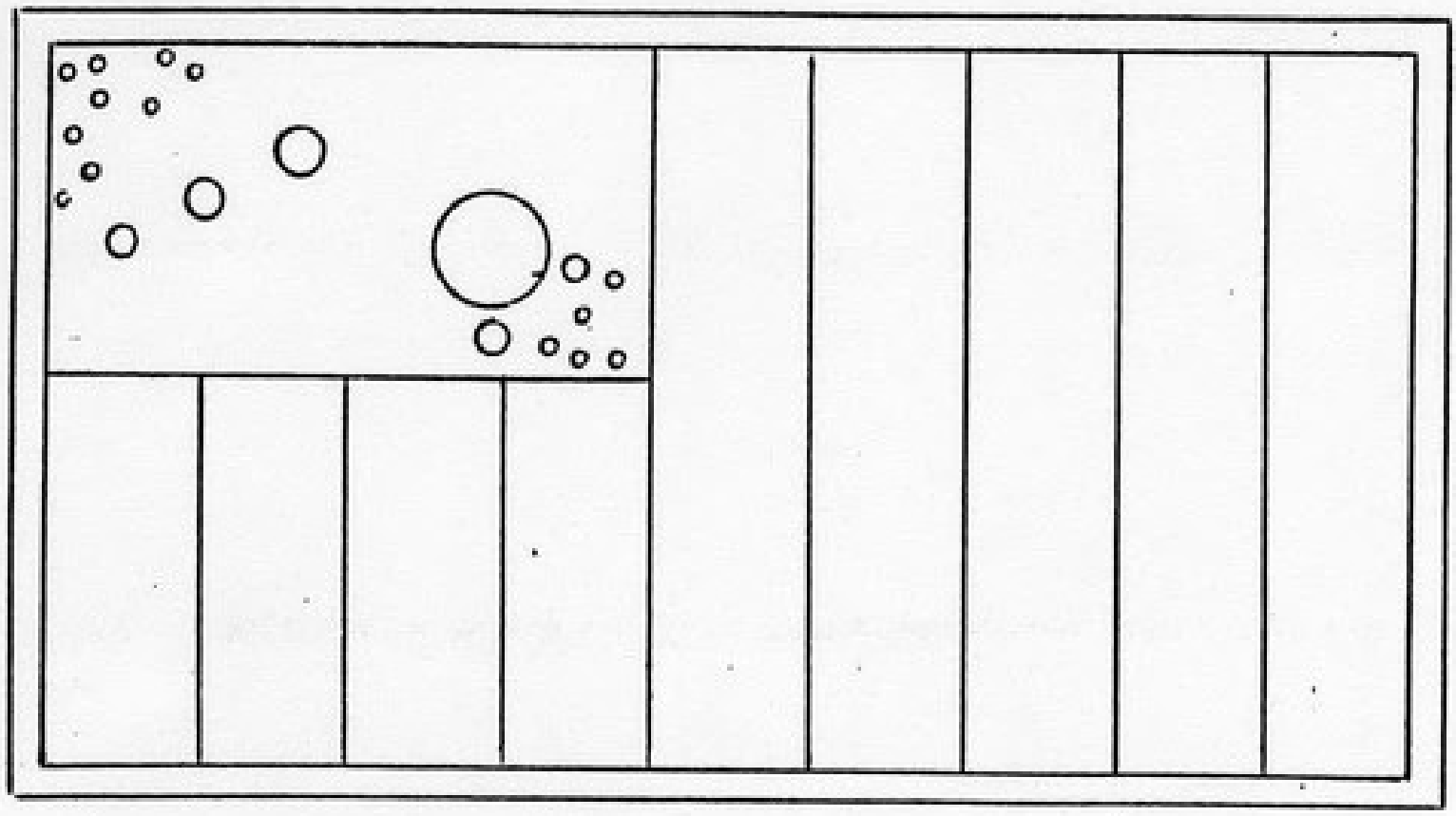
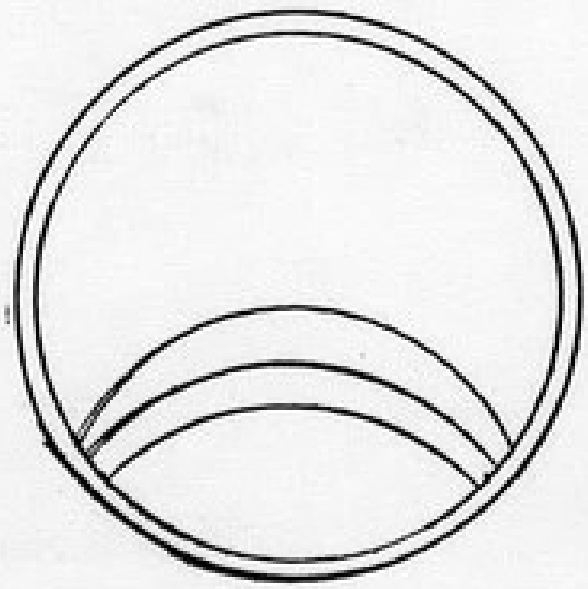


Uniforms

Patches - 3016

I





J

K

L

(A) MOONBASE ALPHA CREST
(B) MEDICAL I.D.
(C) LUNAR SPACE RESEARCH ORGANIZATION (LSRO)
(D) UNIVERSE PATCH
(E) ASTRONAUT'S CREST
(F) AM TECHNICAL PATCH
(G) DEEP SPACE PATCH
(H) V.J.C. PATCH
(I) INTERSPACE REASEARCH COMMISSION PATCH
(J) ORIGINAL EAGLE PATCH
(K) SECURITY PATCH
(L) ANDROMEDA PATCH

A MOONBASE ALPHA INSIGNIA

ONLY AUTHORIZED SYMBOL USED TO IDENTIFY ALL MOONBASE CRAFT. ALSO USED ON UNIFORMS AND SPACESUITS.

DISTRIBUTION: MAIN MISSION COMMAND
REPRESENTATIONS: THE TRAPEZOID SHAPE IS A MAIN MOONBASE SYMBOL. MOST CARGO CONTAINERS SHIPPED FROM ALPHA BEAR THIS SHAPE FOR IDENTIFICATION.
COLORS: WHITE BACKGROUND/NAVY LETTERING/CENTER: DARK BLUE BACKGROUND/EARTH AND MOON BLACK AND WHITE/ORBITAL PATHS: YELLOW AND ORANGE.
DIMENTIONS: TOP 2" BOTTOM 3" VERTICAL 2".

B MEDICAL IDENTIFICATION

INDICATES BEARER HAS INTERMEDIATE SPACE FIRST AID TRAINING, AND ARE QUALIFIED TO BEGIN MEDICAL TREATMENT UNTIL A DOCTOR CAN BE OBTAINED. ON REGULATION DRESS THIS SYMBOLIZES A NURSE OR A MEDICAL CENTER TECHNICIAN. WHEN WORN SIDEWAYS IT REPRESENTS THOSE WHO HAVE TRAINING BUT ARE NOT INVOLVED IN THE MEDICAL FIELD.

DISTRIBUTION: ALPHA MEDICAL CENTER
REPRESENTATIONS: CENTER LINE REPRESENTING GERMS AND BACTERIA/SURROUNDED BY AN EVER GROWING VIRAL FORM (INDICATED BY THE UPWARD REACHING TOP) CAPPED WITH MEDICAL KNOWLEDGE TO PREVENT ITS SPREAD. BACKGROUND REPRESENTING THAT OF SOUND MIND AND BODY.
COLORS: CENTER "GERM" LINE YELLOW/"VIRAL FORM" RED/"MEDICAL KNOWLEDGE" CAP YELLOW/BACKGROUND DARK BLUE RINGED WITH PALE BLUE.
DIMENTIONS: 2½".

C LUNAR SPACE RESEARCH ORGANIZATION (LSRO)

WORN BY THOSE INVOLVED IN THE TECHNICAL FIELD. SUCH AS LABORATORY RESEARCH, COMMUNICATIONS AND EXPERIMENTATION IN THE SPACE SCIENCES. ON REGULATION DRESS IT IS WORN JUST BENEATH THE IDENTIFICATION BADGE. WITH THOSE NOT DIRECTLY INVOLVED IN RESEARCH IT IS WORN OCCASIONALLY ON JACKETS ONLY.

DISTRIBUTION: TECHNICAL LABORATORY SECTION MOONBASE ALPHA
REPRESENTATIONS: CONTAINS THE INITIALS OF ONE OF MOONBASE ALPHA'S LARGEST SECTIONS.
COLORS: WHITE BACKGROUND RINGED WITH RED. SOLID RED UPPER HEMISPHERE, RED RIMMED LOWER HEMISPHERE. BLACK LETTERING.
DIMENTIONS: 2½" DIAMETER

D UNIVERSE PATCH

SYMBOL OF THE INTERSPACE RESEARCH COMMISION. THIS IS THE MOST COMMON AMONG THE MANY DIFFERENT VERSIONS ISSUED. MAIN USE IS FOR DECORATION, ALTHOUGH SOMETIMES WORN AS REGULATION BY TECHNICAL SCIENCES PERSONNEL.

DISTRIBUTION: INTERSPACE RESEARCH COMMISION MOONBASE ALPHA
REPRESENTATIONS: THE LATIN WORDS MEANING "FOREVER ON THE THRESHOLD". SINCE LEARNING FROM THE VASTNESS OF SPACE IS UNLIMITED AND UNENDING, WE ARE FOREVER AT THE ROOT OF NEW KNOWLEDGE. CIRCLE INDICATES OUR SUN AND SOLAR SYSTEM AND OUR REACHING OUT TO OTHER SUNS.

COLORS: DARK BLUE LETTERING ON WHITE BACKGROUND. DARK BLUE BACKGROUND, YELLOW SUN AND STARS, WHITE CORONA AND SPOKES.
DIMENSIONS: 2½" DIAMETER.

E ASTRONAUT'S CREST

WORN ON EARTH AS WELL AS MOONBASE ALPHA. PRESENTED TO GRADUATES IN BASIC SPACE FLIGHT TRAINING, AND OFTEN WORN THROUGHOUT SPACE CAREER FOR GOOD LUCK.

DISTRIBUTION: VARIOUS SPACE TRAINING CENTERS ON EARTH.
REPRESENTATIONS: THE ROUND SHAPE REPRESENTS THE UNIVERSE; THE SMALL CIRCLE IS EARTH. THE TRIANGLE DEPICTS THE OUTWARD DIRECTION LEADING INTO SPACE AND IS ALSO SUGGESTIVE OF THE SHAPE OF EARLY JETS.
COLORS: WHITE BACKGROUND RINGED WITH RED. BLACK EARTH, RED TRIANGLE.
DIMENSIONS: 2½" DIAMETER.

F AM TECHNICAL PATCH

WORN BY TECHNICAL PERSONNEL IN RESEARCH SCIENCES SUCH AS MINERALOGY, GEOLOGY, ARCHAEOLOGY (MOONBASE ALPHA HAD SEVERAL PEOPLE OF THIS FIELD COVERING THE POSSIBILITY OF PAST LIFE ON THE MOON. THESE PEOPLE WERE EVENTUALLY TO HAVE BEEN SENT TO DISTANT PLANETS TO SURVEY NEW FINDS.) ENGINEERING, ETC.

DISTRIBUTION: ALPHA TECHNICAL SECTION (EXPLORATION)
REPRESENTATIONS: THE NUMBERS VARY DEPENDING ON THE PERSON'S FIELD OF SPECIALITY. THE "1" REPRESENTS TECHNICAL RANK; "12" IS SECTION NUMBER; "3" IS THE SPECIFIC ALPHA DEPARTMENT. "AM" IS ALPHA MOONBASE.
COLORS: RED BACKGROUND, BLACK LETTERING/NUMBERS, WHITE DETAIL.
DIMENSIONS: 2½" DIAMETER.

G DEEP SPACE PATCH

THE LETTERS STAND FOR ALPHA MOONBASE COURIER. WORN BY MANY OF ALPHA'S BEST PILOTS; OCCASIONALLY WORN BY OTHER KEY PERSONNEL TRAINED FOR DEEP SPACE MISSIONS WHICH WOULD HAVE ORIGINATED ON THE MOON. SOMETIMES WORN ON REGULATION UNIFORMS BY THOSE PRIMARILY INVOLVED WITH DEEP SPACE MISSIONS.

DISTRIBUTION: ALPHA EXPLORATION SECTION
REPRESENTATIONS: LARGEST CIRCLE IS THE MOON. CONTINUING CIRCLES SYMBOLIZE DISTANT PLANTES, THE ULTIMATE DESTINATION OF ALPHA'S COURIERS.
COLORS: LEFT BACKGROUND IS DARK BLUE; RIGHT BACKGROUND IS MEDIUM BLUE. LARGEST CIRCLE IS YELLOW, FOLLOWED BY ONE ORANGE AND ONE RED CIRCLE. BLACK LETTERING.
DIMENSIONS: 1½ X 3"

H V.J.C. PATCH

THE LETTERS STAND FOR VERBINSKI-JACOBSEN CELESTIA. DR, JOSEPH VERBINSKI AND DR. BLAIR JACOBSEN WERE AMONG THE EARLIEST PLANNERS OF THE MOONBASE AND HER PROGRAMS OF OPERATION. THEY HAD WORKED AS A TEAM FOR MANY YEARS ON EARTH STUDYING THE RELATIONSHIP BETWEEN SPACE TRAVEL AND CHANGES IN HUMAN BEHAVIOR, ESPECIALLY SLEEP PATTERNS. THEIR ULTIMATE GOAL WAS TO SEE MAN GO INTO DEEP SPACE, HENCE CELESTIA. THE PATCH IS WORN BY THOSE WHO HAD VOLUNTEERED TO HELP IN VARIOUS ASPECTS OF THE STUDIES, AND IS ALSO SEEN ON MEDICAL CENTER REGULATION CLOTHING AND ON SLEEP WEAR AS A TRIBUTE TO THE TWO DOCTORS.

DISTRIBUTION: INTERSPACE RESEARCH COMMISION.

COLORS: WHITE LETTERING ON RED BACKGROUND.
DIMENSIONS: 3/4" X 2"

I INTERSPACE RESEARCH COMMISSION PATCH

IDENTIFYING PATCH FOR THE PROPERTY OF THE IRC. SEEN ON SPACESUITS AND MOONBUGGIES

DISTRIBUTION: NO PERSONAL DISTRIBUTION.
REPRESENTATIONS: UPPER LEFT BLOCK REPRESENTS GALAXIES KNOWN AND UNKNOWN. RAINBOW OF COLORS SIGNIFIES THE COMMISSION'S WIDE SPECTRUM OF INTERESTS AND RESEARCH.
COLORS: WHITE STARS ON BLACK BACKGROUND. MULTICOLOR STRIPES. ENTIRE PATCH RIMMED WITH WHITE BAND.
DIMENSIONS: 3 X 5½"

J ORIGINAL EAGLE PATCH

PRESENTED TO ASTRONAUTS WHO FLEW SUPPLIES DURING THE EARLIEST YEARS OF ALPHA, AFTER THE EAGLE TRANSPORTER REPLACED THE FALCON SHUTTLE.

DISTRIBUTION: INTERNATIONAL LUNAR FINANCE COMMISSION.
REPRESENTATIONS: MOON RISING BEHIND EARTH.
COLORS: LIGHT BLUE OUTER CIRCLE, MEDIUM BLUE BACKGROUND. CIRCLE IN FOREGROUND IS BLACK, FOLLOWED BY RED-ORANGE AND YELLOW CIRCLES.
DIMENSIONS: 2½" DIAMETER

K SECURITY PATCH

SECURITY PERSONNEL WITH CLEARANCE TO CARRY THE MODEL 2 STUN GUN (EQUIPPED WITH STUN/KILL SETTING) WITHIN ALPHA WEAR THIS PATCH.

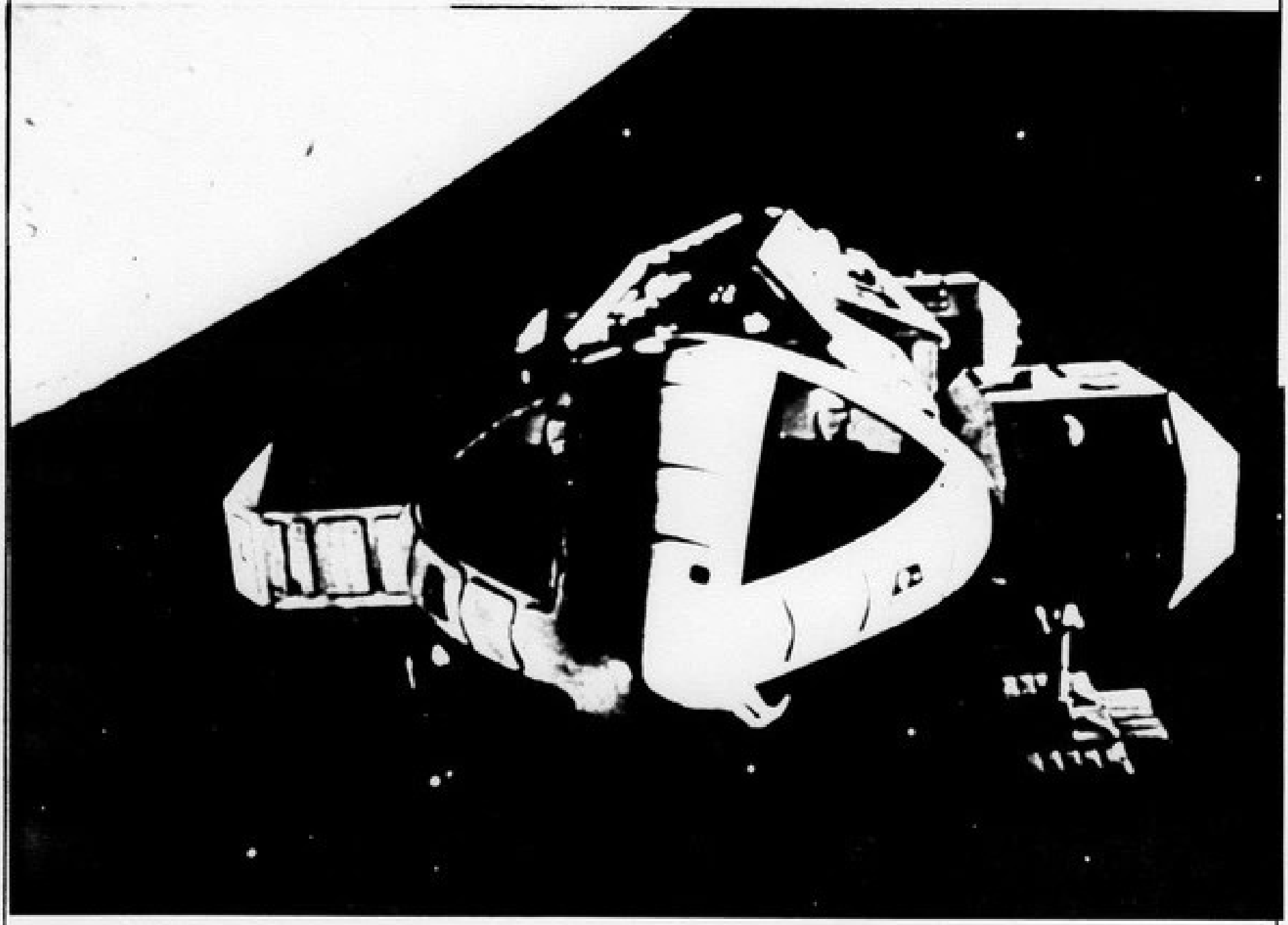
DISTRIBUTION: CHIEF OF SECURITY (WEAPONS SECTION)
COLORS: PURPLE LETTERING ON WHITE BACKGROUND. CENTER IS PURPLE WITH WHITE "S".
DIMENSIONS: 2½" DIAMETER.

L ANDROMEDA PATCH

MEDICAL OFFICERS WHO WERE INVOLVED WITH THE ANDROMEDA RESEARCH PROJECT WEAR THIS PATCH. THE ANDROMEDA TEAM DID EXTENSIVE STUDIES OF THE PHYSICAL, PSYCHOLOGICAL AND SOCIAL EFFECTS OF PROLONGED SPACE TRAVEL. HELENA RUSSELL WORKED AS A DIRECTOR OF THE TEAM JUST PRIOR TO COMING TO ALPHA, AND CONTINUED SOME OF THE WORK AT THE MOONBASE.

DISTRIBUTION: INTERSPACE RESEARCH COMMISSION:
REPRESENTAIONS: THE TRIANGLE REPRESENTS THE THREE AREAS OF STUDY AND IS INCORPORATED INTO THE "A" SYMBOL.
COLORS: BLUE BACKGROUND RINGED WITH RED. GOLD LETTERING. WHITE "A".

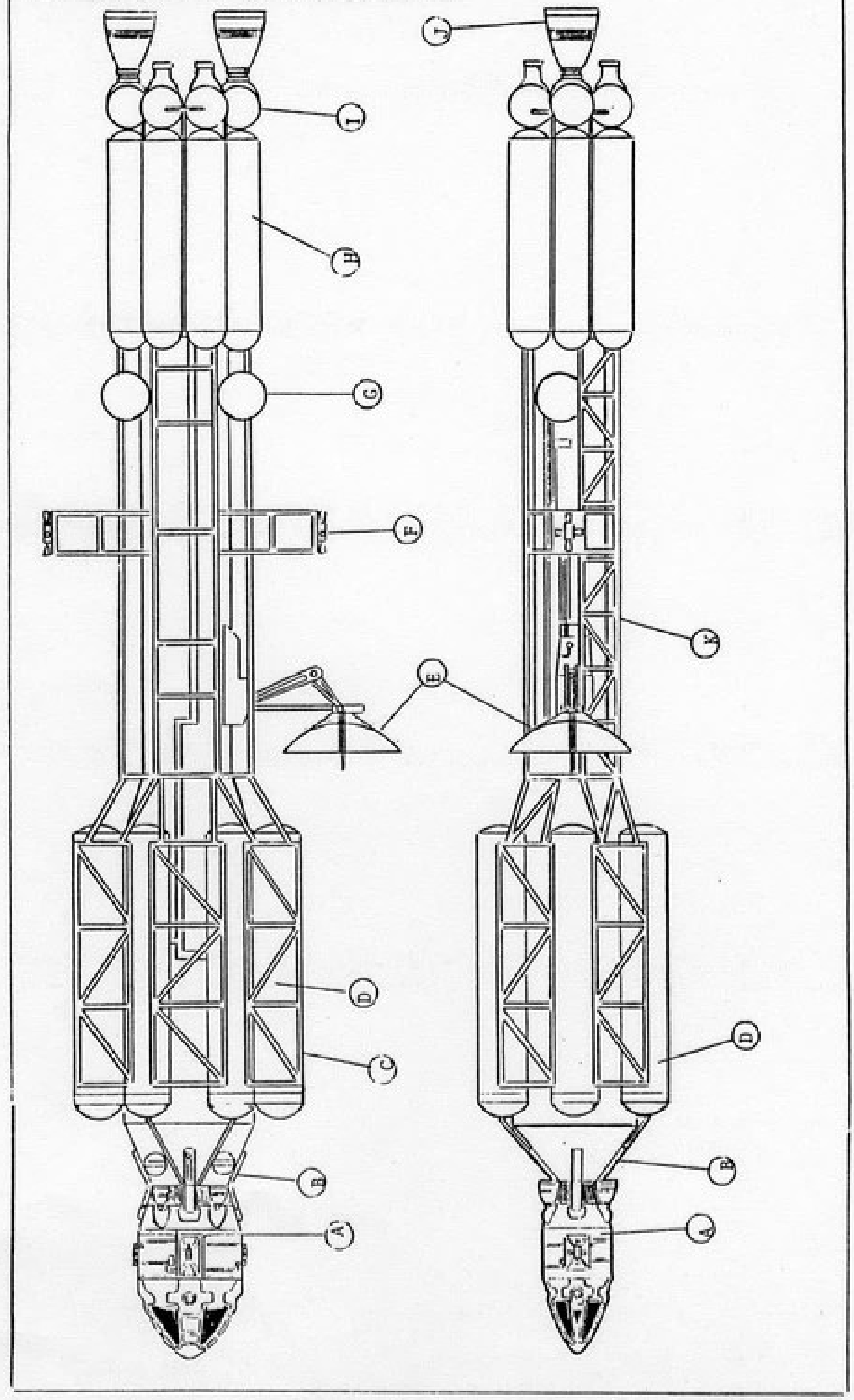
SERIES - 4000



SPACECRAFT

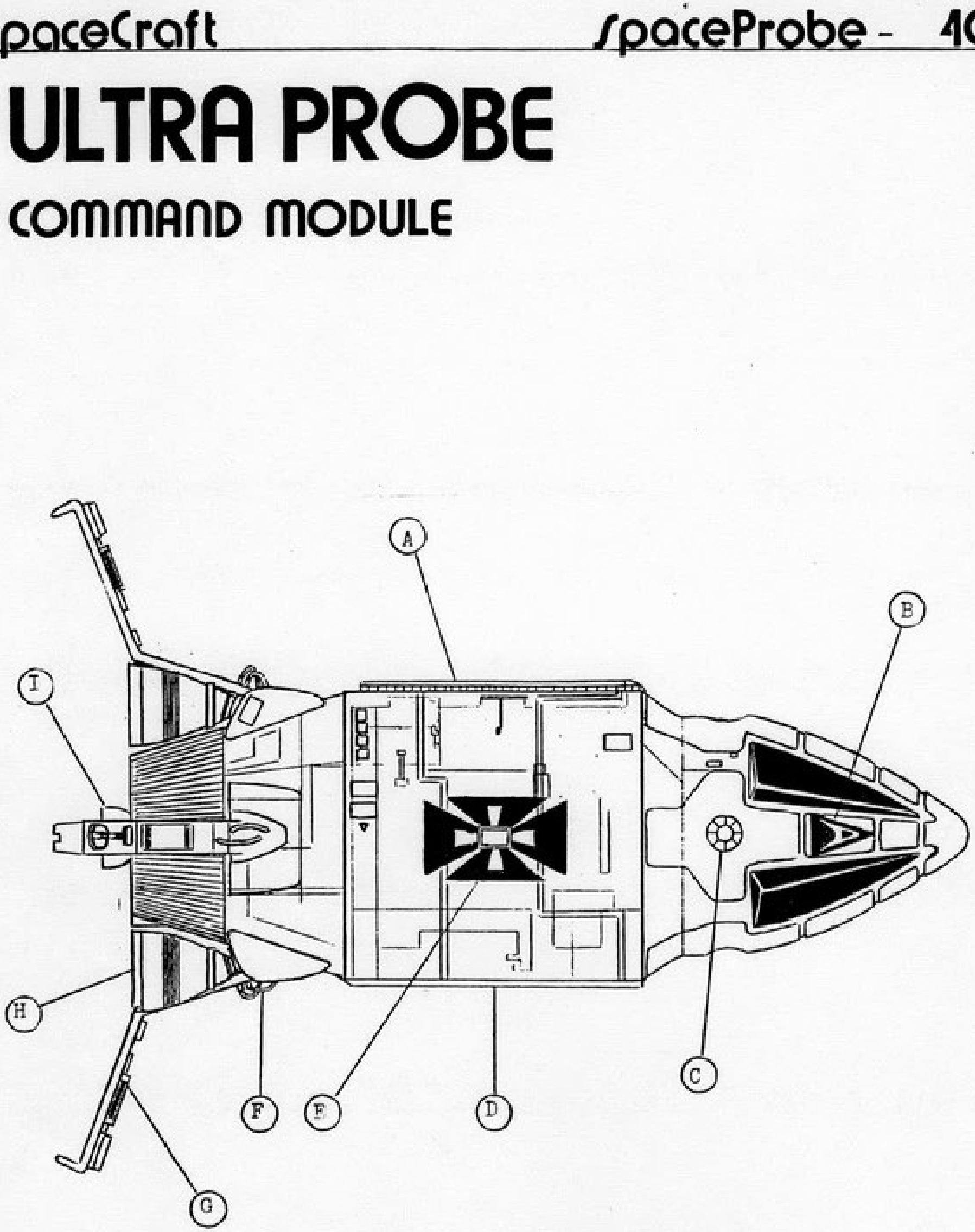
SpaceCraft SpaceProbe 1000

ULTRA PROBE



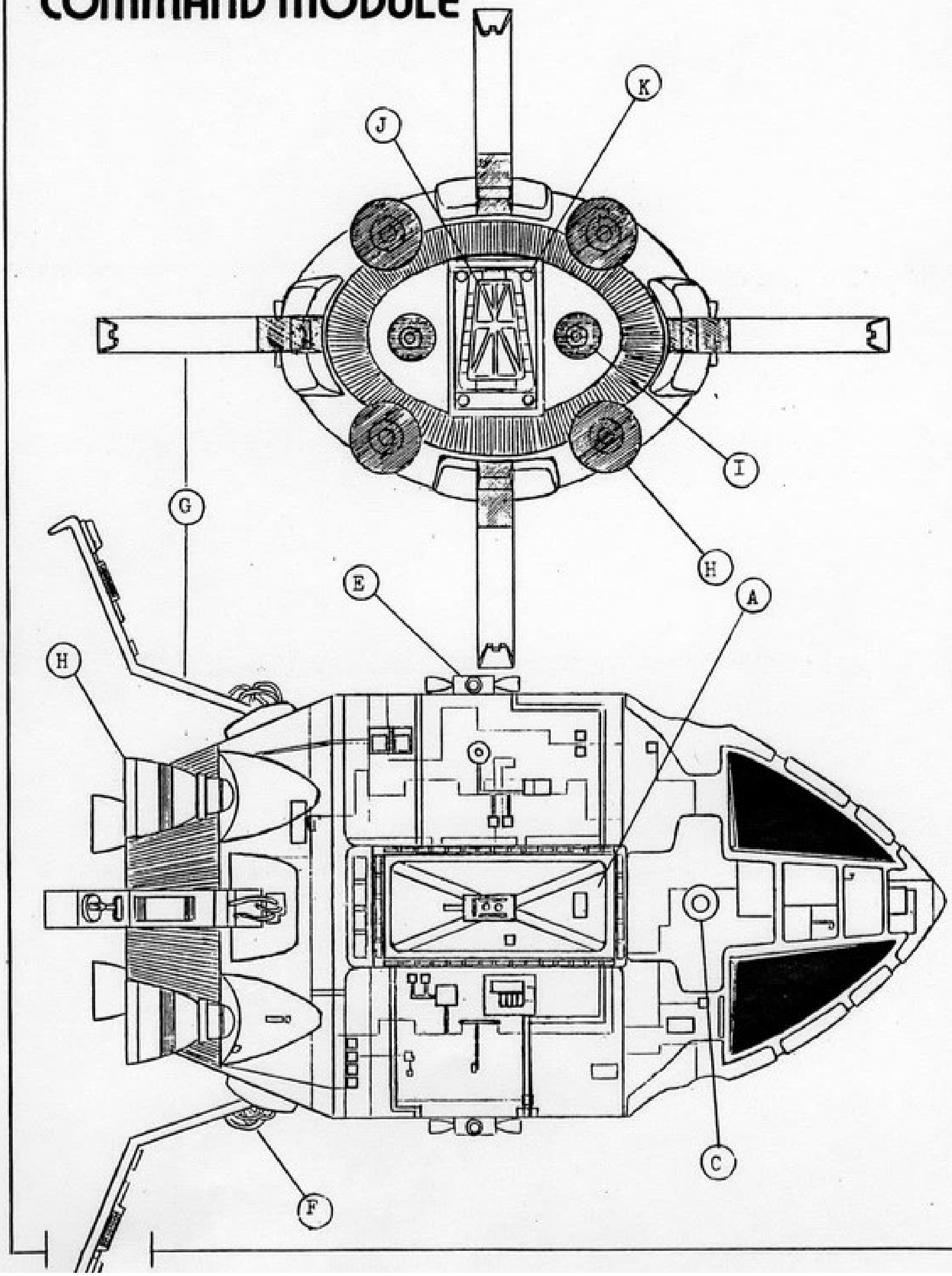
ULTRA PROBE

COMMAND MODULE



ULTRA PROBE

COMMAND MODULE



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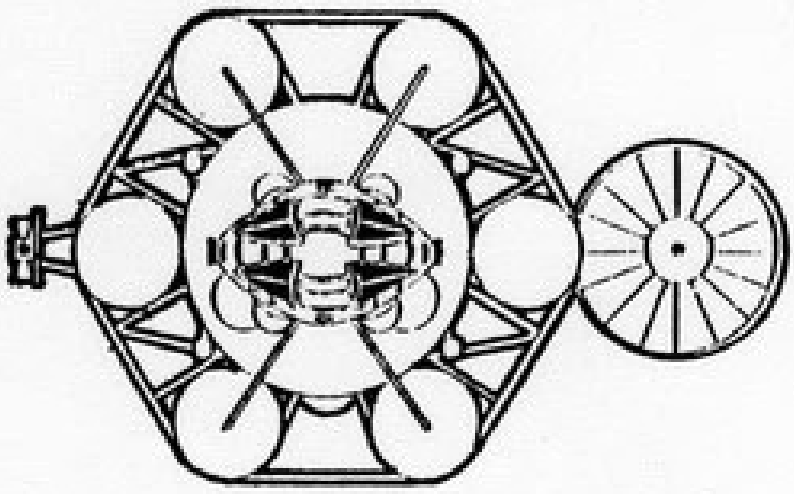
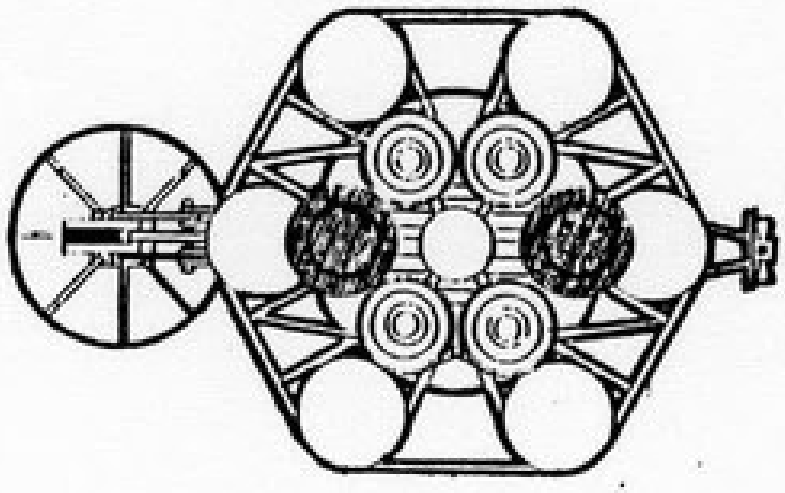


FRONT ELEVATION



REAR ELEVATION

ULTRA PROBE KEY (ALPHA-4C00)

(A) COMMAND MODULE
(B) EXPLOSIVE BOLTS/MAGNETIC DOCKING LATCHES
(C) SUPPORT FRAME
(D) FUEL/FOOD STORAGE/EQUIPMENT STORAGE TANKS
(E) DEEP SPACE COMMUNICATIONS/TRACKING ANTENNA
(F) PROBESHIP MANUVERING ROCKETS (8)
(G) SPHERICAL RADAR
(H) MAIN FUEL TANKS
(I) MAGNETIC BOTTLES
(J) MAIN ENGINES
(K) MAIN BODY SUPPORT FRAME

ULTRA PROBE COMMAND MODULE KEY (ALPHA-4001-4002)

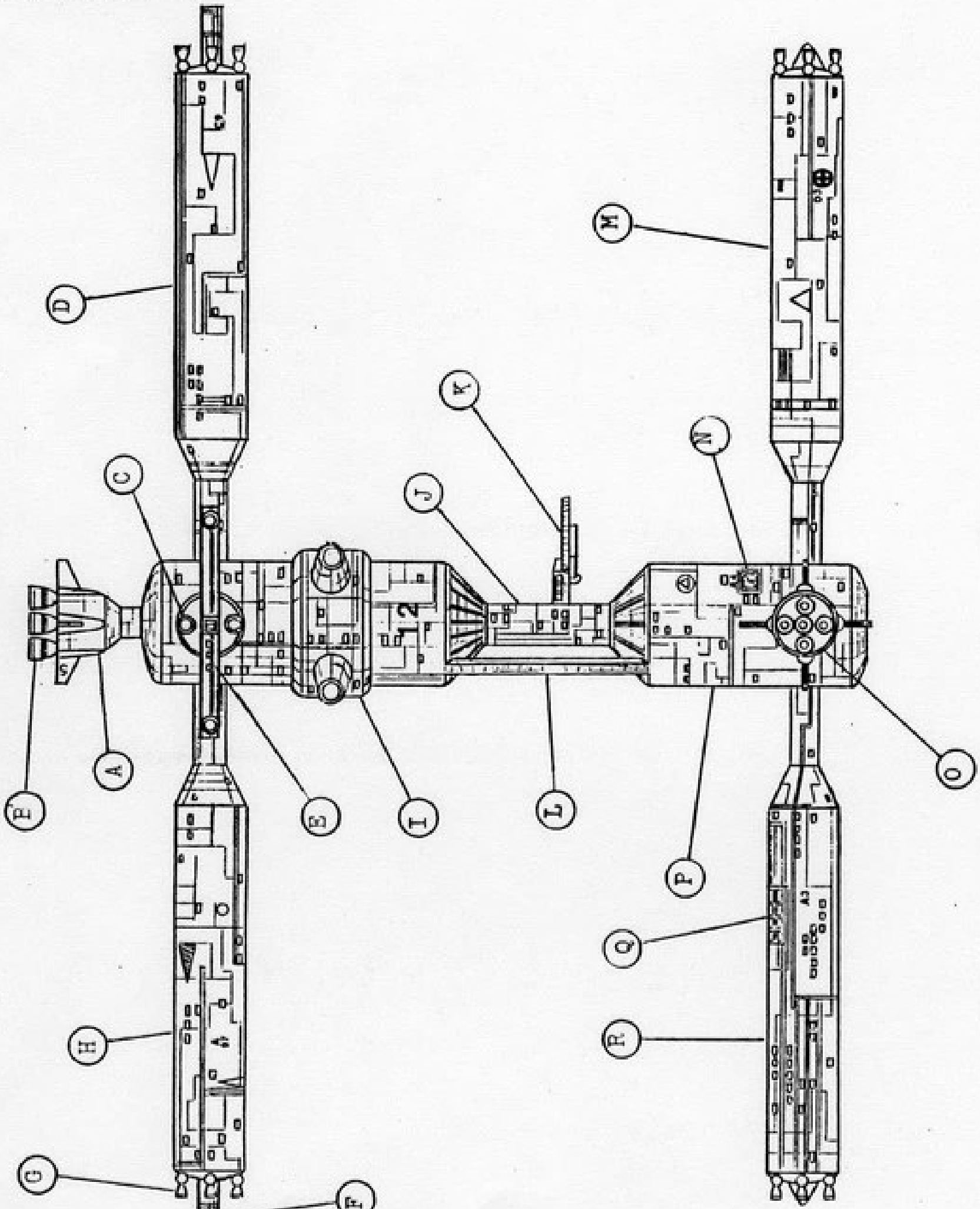
(A) EMERGENCY ESCAPE HATCH
(B) ULTRA PROBE INSIGNIA
(C) STEERING ROCKETS
(D) LANDING STRUTS (RETRACTED)
(E) MANUVERING ROCKETS (8)
(F) MAGNETIC DOCKING LATCH UMBILICALS
(G) MAGNETIC DOCKING LATCH (RELEASED AND EXTENDED)
(H) COMMAND MODULE MAIN ENGINES
(I) SECONDARY ENGINES
(J) MAIN HATCH
(K) MAGNETIC DOCKING PINS (4)

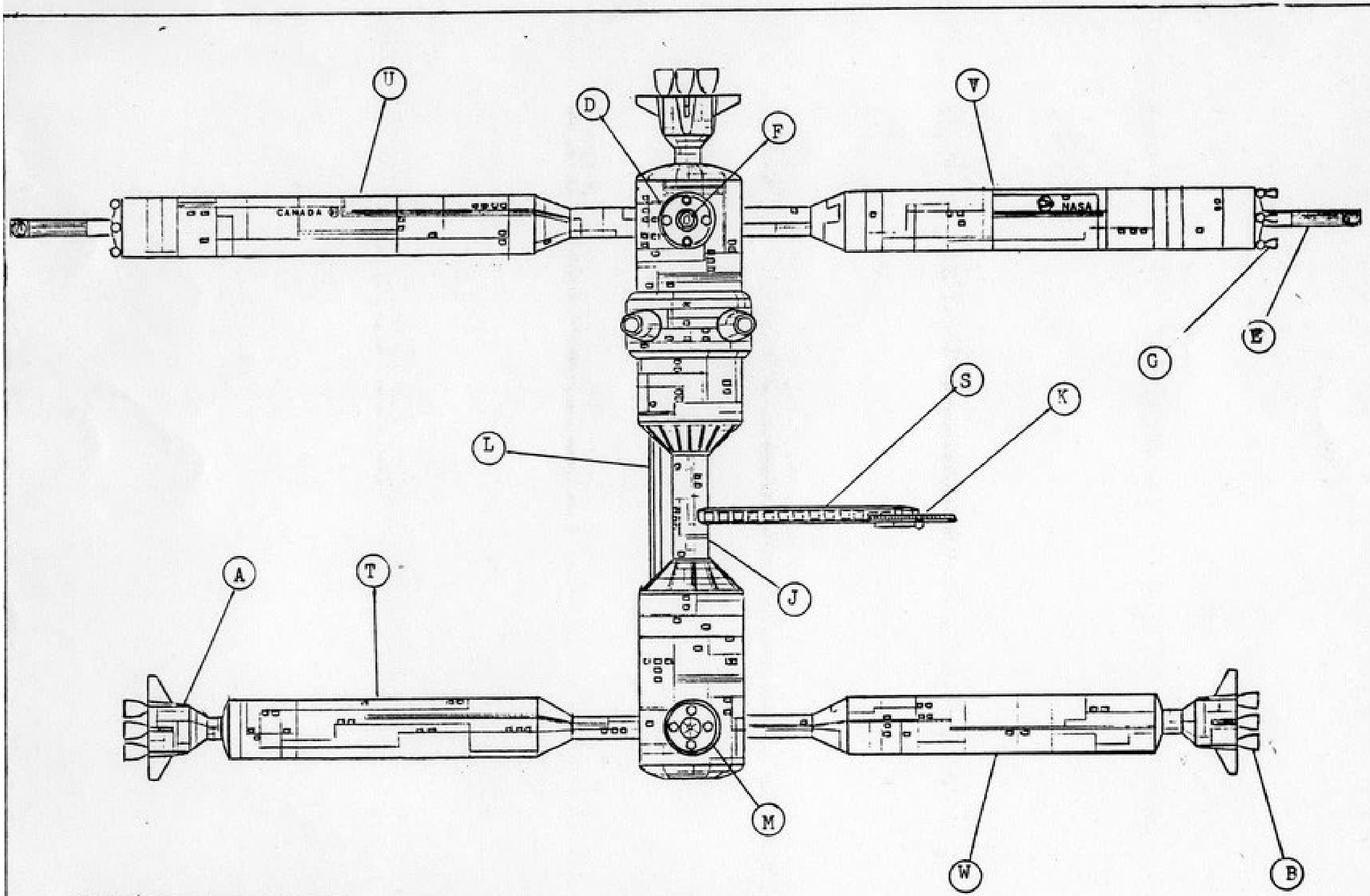
COMPLEMENT:
CAPTAIN (COMMANDER)
ASTROPHYSICIST
RADIOLOGIST
MEDICAL OFFICER/PSYCHOLOGIST

LENGTH: 168.3 ft.
WIDTH: 33 ft.
HEIGHT: 27.6 ft.
GROSS WEIGHT: 520 tons
PROPULSION: 2 nuclear fusion engines
FUEL: compressed hydrogen
MAXIMUM VELOCITY: 0.20c
MAXIMUM RANGE: 450 billion miles
ENDURANCE: 6½ years

CENTURI SPACESTATION

SIDE PROFILE





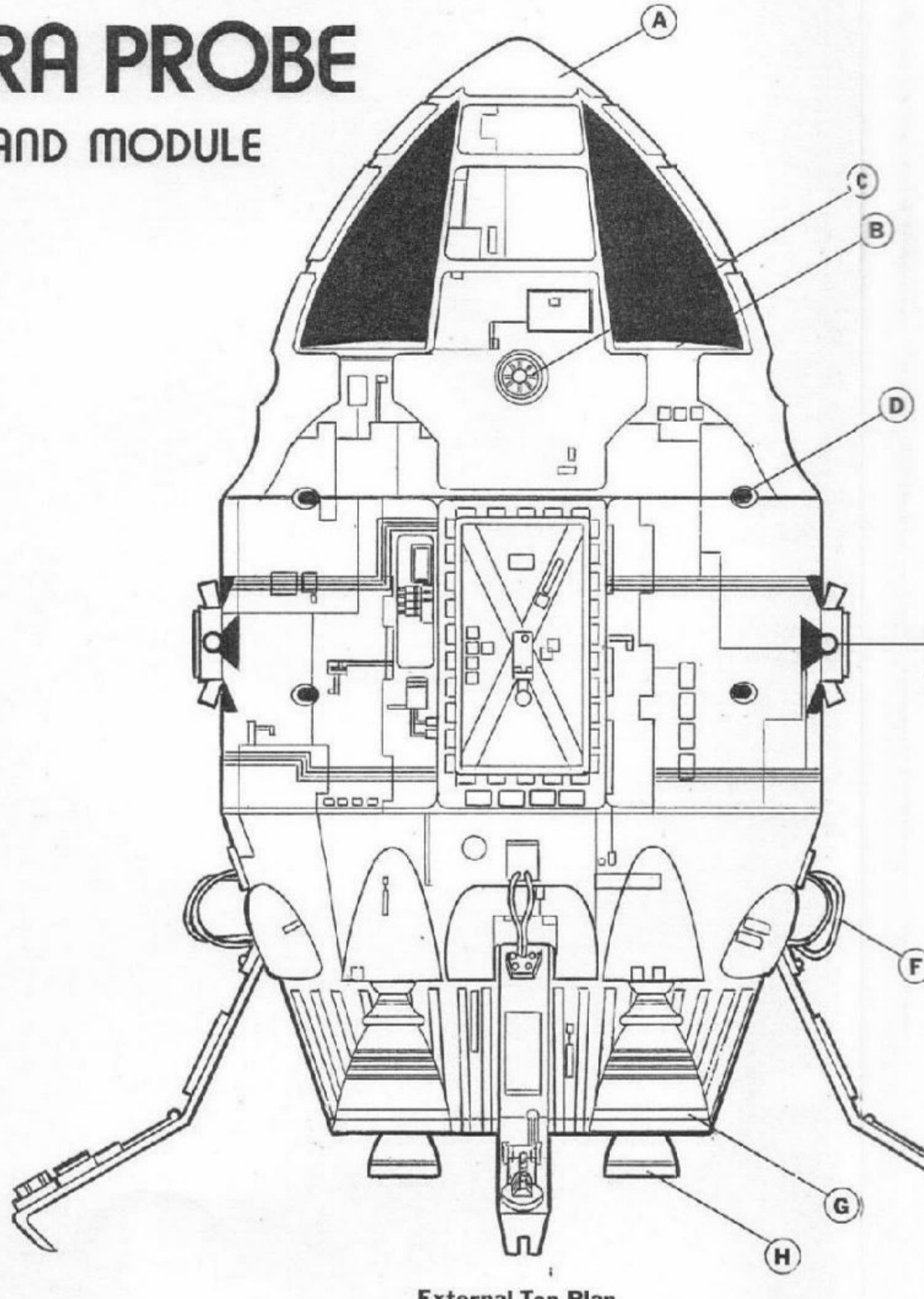
CENTURI SPACESTATION

SIDE PROFILE

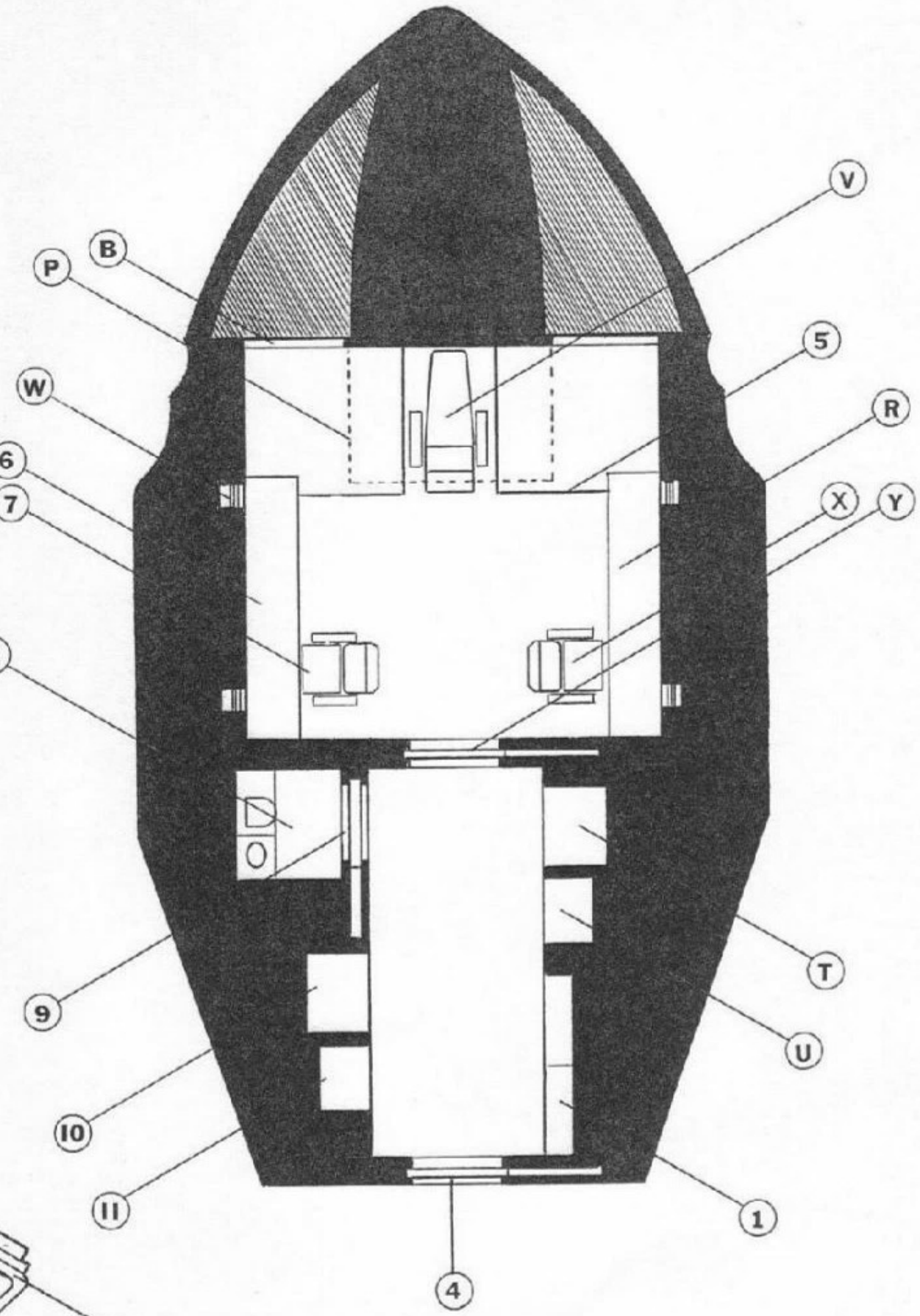
SpaceDock - 4005

ULTRA PROBE

COMMAND MODULE



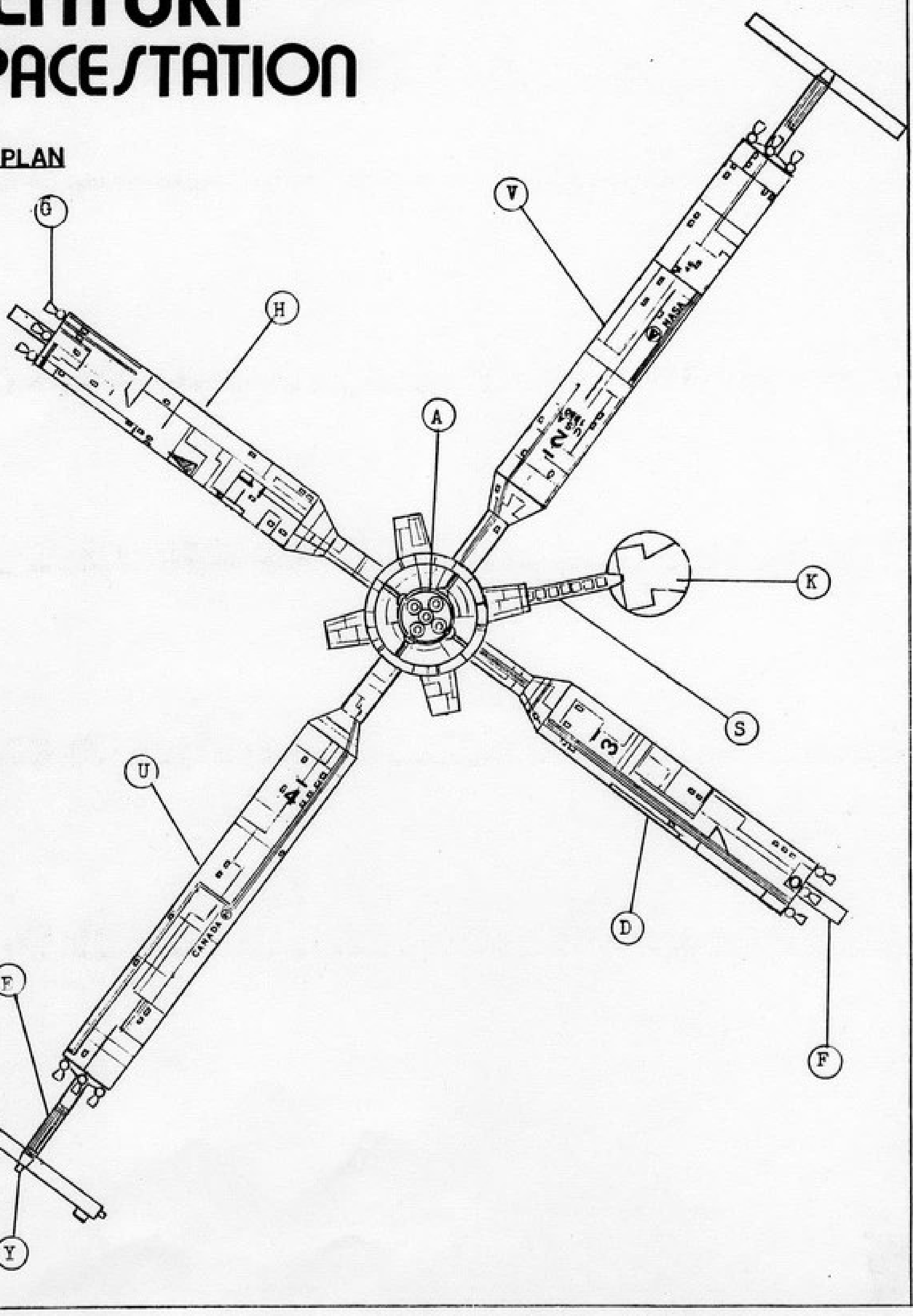
External Top Plan



Internal Plan View

CENTURI SPACESTATION

TOP PLAN



Key

CENTURI KEY (SPACEDOCK 4004-4006)

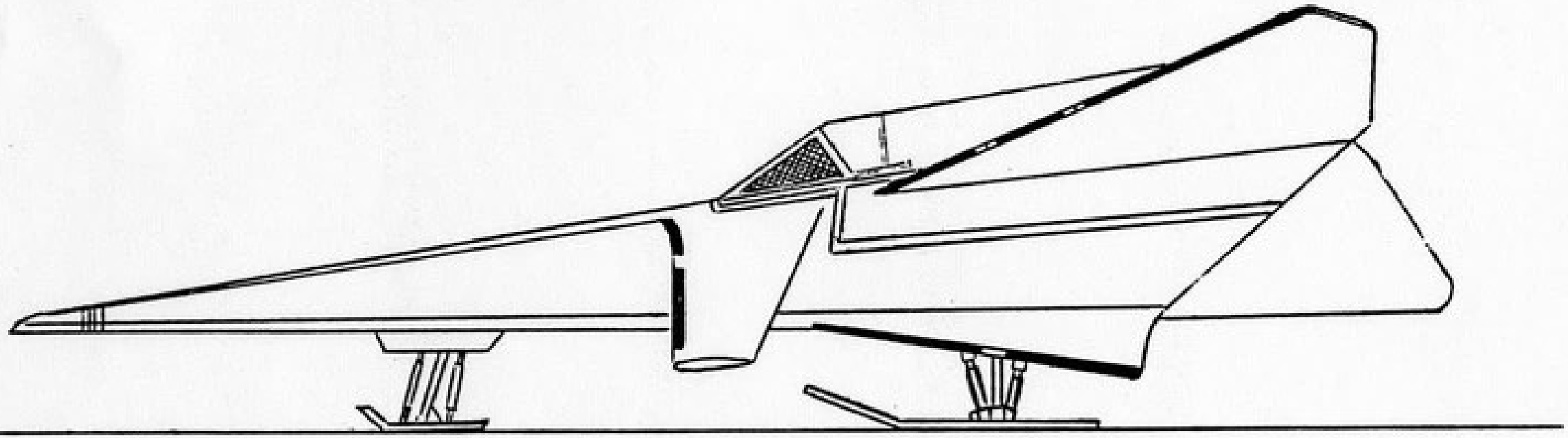
(A) ORBITAL BOOSTER UNIT
(B) ORBITAL BOOSTER ENGINES
(C) DOCKING ARM 4 EMERGENCY BOOSTER ENGINES
(D) DOCKING ARM 3
(E) BOARDING TUBE FOR LARGER SPACECRAFT
(F) BOARDING TUBE
(G) EMERGENCY OPPITAL BOOSTER ENGINES
(H) DOCKING ARM 1
(I) COMMAND SECTION
(J) DORSAL LOUNGE
(K) LANDING PAD FOR EAGLE SPACECRAFT
(L) DORSAL SUPPORT ROD
(M) DOCKING ARM 7
(N) SPACE BAY DOORS
(O) DOCKING ARM 8 AND ORBITAL BOOSTER
(P) GENERATING LEVELS
(Q) ENVIRONMENTAL HABITAL SKYLITE
(R) DOCKING ARM 5
(S) TRAVEL TUBE
(T) DOCKING ARM 8
(U) DOCKING ARM 4
(V) DOCKING ARM 2
(W) DOCKING ARM 6
(X) MAGNETIC DOCKING LATCH (EXTENDED)
(Y) GENERAL BOARDING TUBE (EXTENDED)

LOCATION: EARTH ORBIT
COMPLEMENT: 199 PERSONS (MAXIMUM CAPACITY 250)
NUMBER OF DOCKING PORTS: (4)
NUMBER OF ORBITAL BOOSTER UNITS: (3)
NUMBER OF EMERGENCY ORBITAL BOOSTER ENGINES: (24)
NUMBER OF LANDING PADS: (1)

DOCKING ARM 1: MEDICAL EXPERIMENTATION LABS/MEDICAL CENTER
DOCKING ARM 2: CHEMICAL/ASTROPHYISICS LABS
DOCKING ARM 3: MAINTENANCE/TECHNICAL LABS/RECEPTION/ORIENTATION CENTERS
DOCKING ARM 4: LIVING QUARTERS
DOCKING ARM 5: SPACESTATION SECURITY
DOCKING ARM 6: EMERGENCY POWER STATION
DOCKING ARM 7: DEEP SPACE TRACKING CENTERS
DOCKING ARM 8: RECREATION/DINING AREAS
DORSAL: LOUNGE AREA
UPPER STATION MAIN BODY HUB: COMAND CENTER AREA
LOWER STATION MAIN BODY HUB: GENERATING LEVELS/TECHNICAL EXPERIMENTATION AREA
BUILT IN 1981 BY CANADIAN AND AMERICAN JOINT EFFORTS.

Spacecraft

RE ENTRY GLIDER

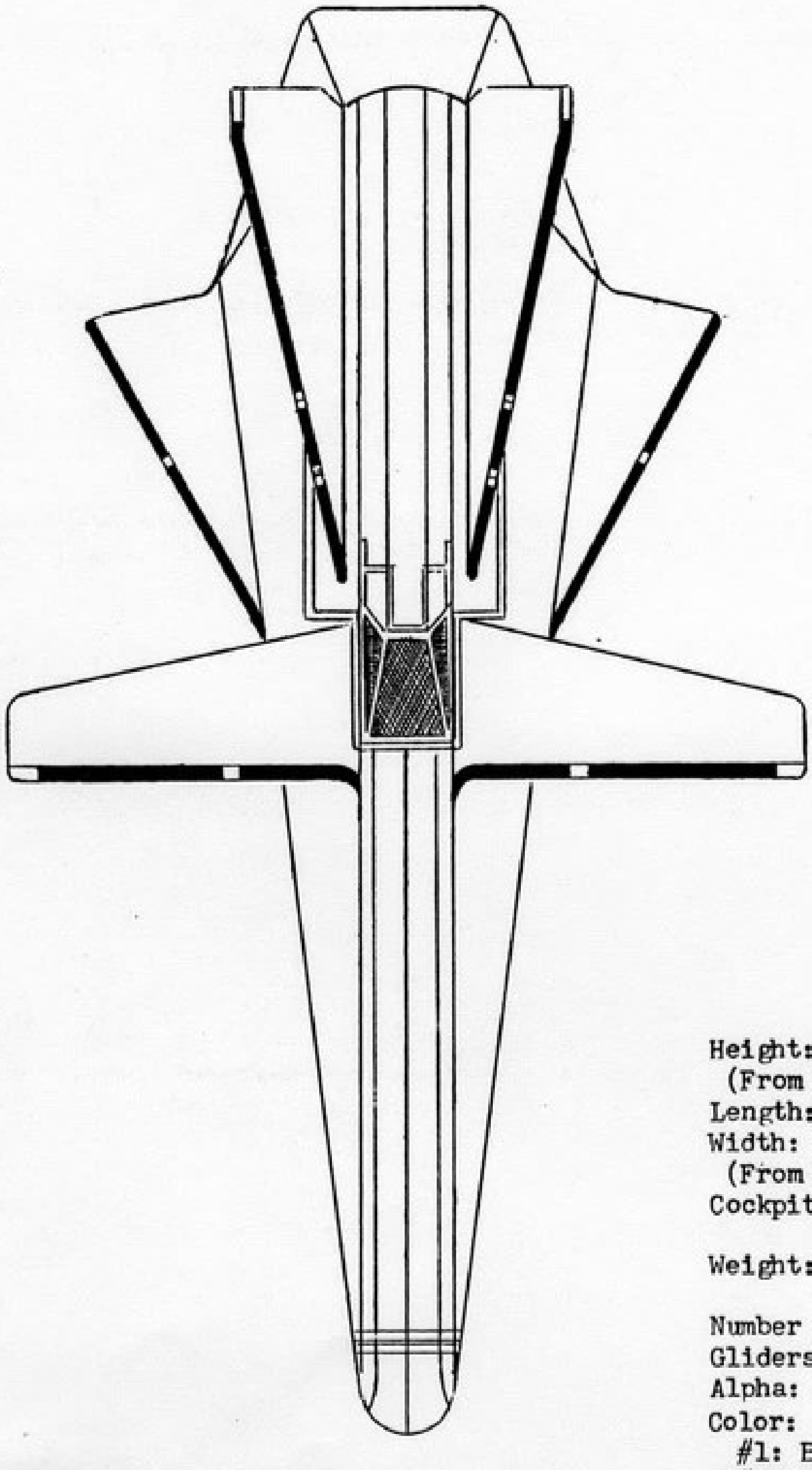


GENERAL INFORMATION:

The Reentry Glider is made completely from plastics and has no metal properties throughout its structure. The glider was primarily on MOONBASE ALPHA for tests to be completed in Earth's atmosphere, which would be achieved by a specially adapted TRANSPORTER EAGLE with the glider attached to its top superstructure, mainly above the passenger module. Entry to the glider would be from underneath through a special airlock tube from the EAGLE's passenger module. The glider was constructed on MOONBASE ALPHA in 1998, and plans for its initial testing were all but abandoned when the Moon tore out of Earth's orbit on Sept. 13, 1999.

Glider - 4008

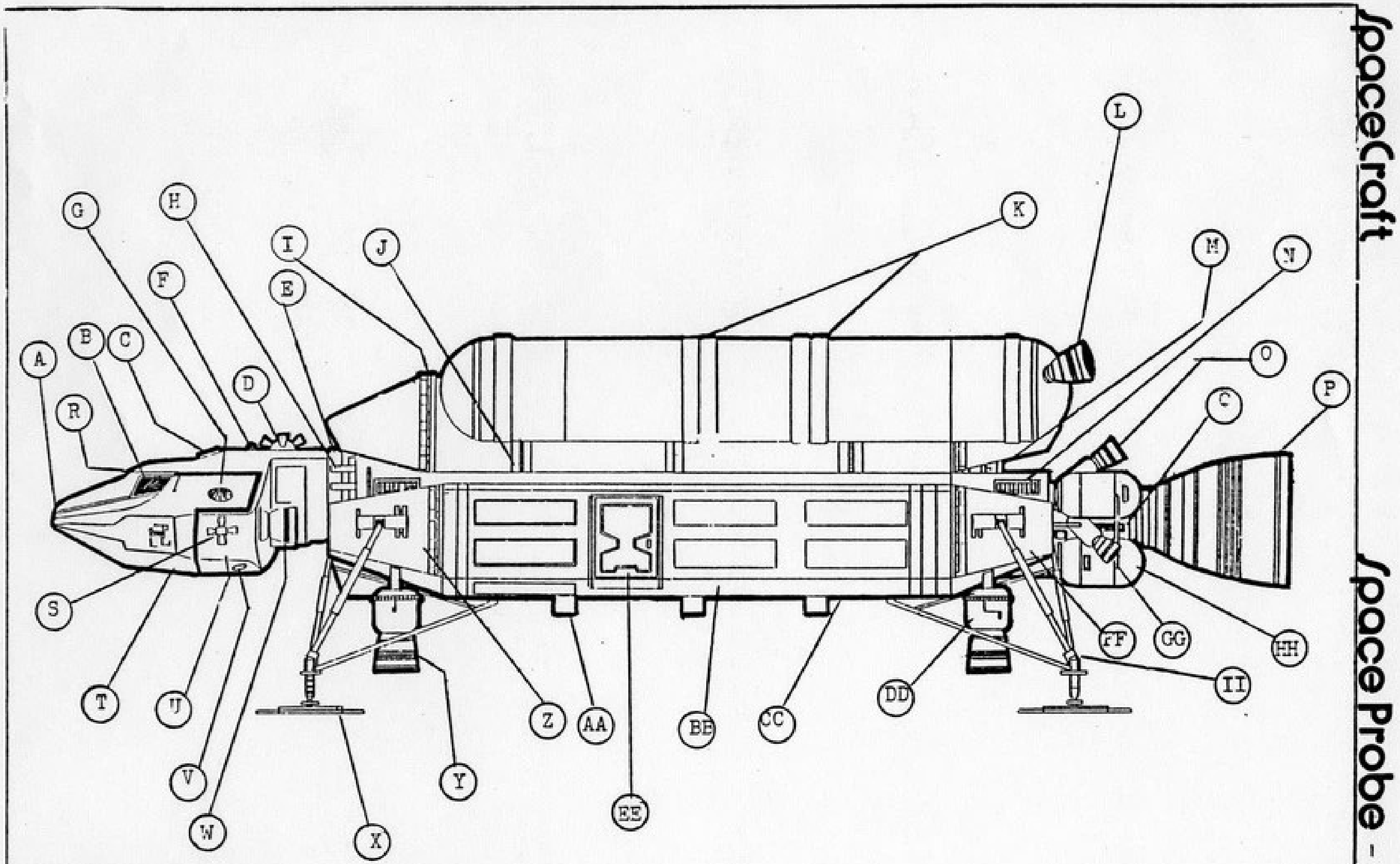
RE ENTRY GLIDER



Height: 9½ ft
(From tail fin)
Length: 31 ft
Width: 19 ft
(From wing tips)
Cockpit space:
4½ ft. x 6 ft
Weight: 1 ton

Number of Reentry
Gliders on Moonbase
Alpha: 4
Color:
#1: Burnt red orange
#2: Slate blue
#3: Peacock green
#4: Mustard

spacecraft

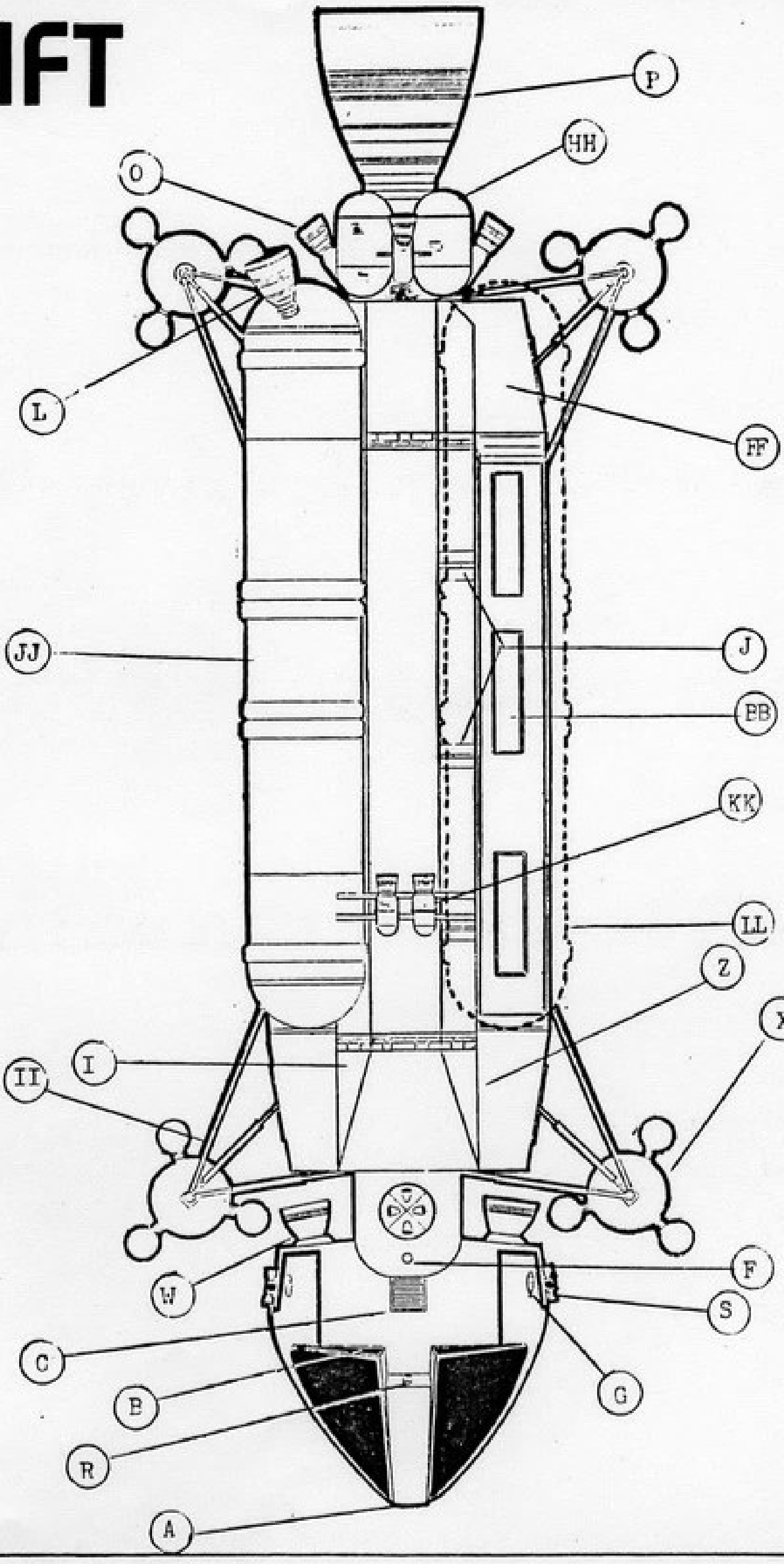


SWIFT

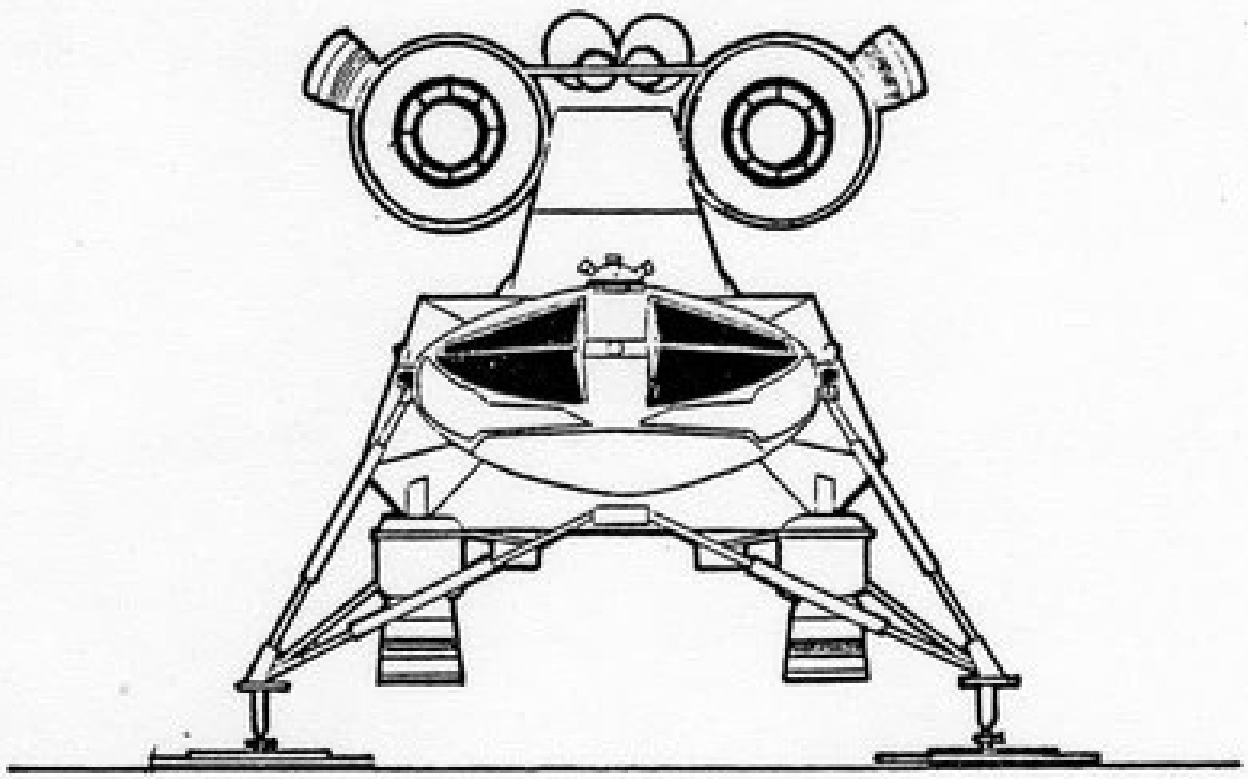
Interplanetary Support Craft

spaceprobe - 4010

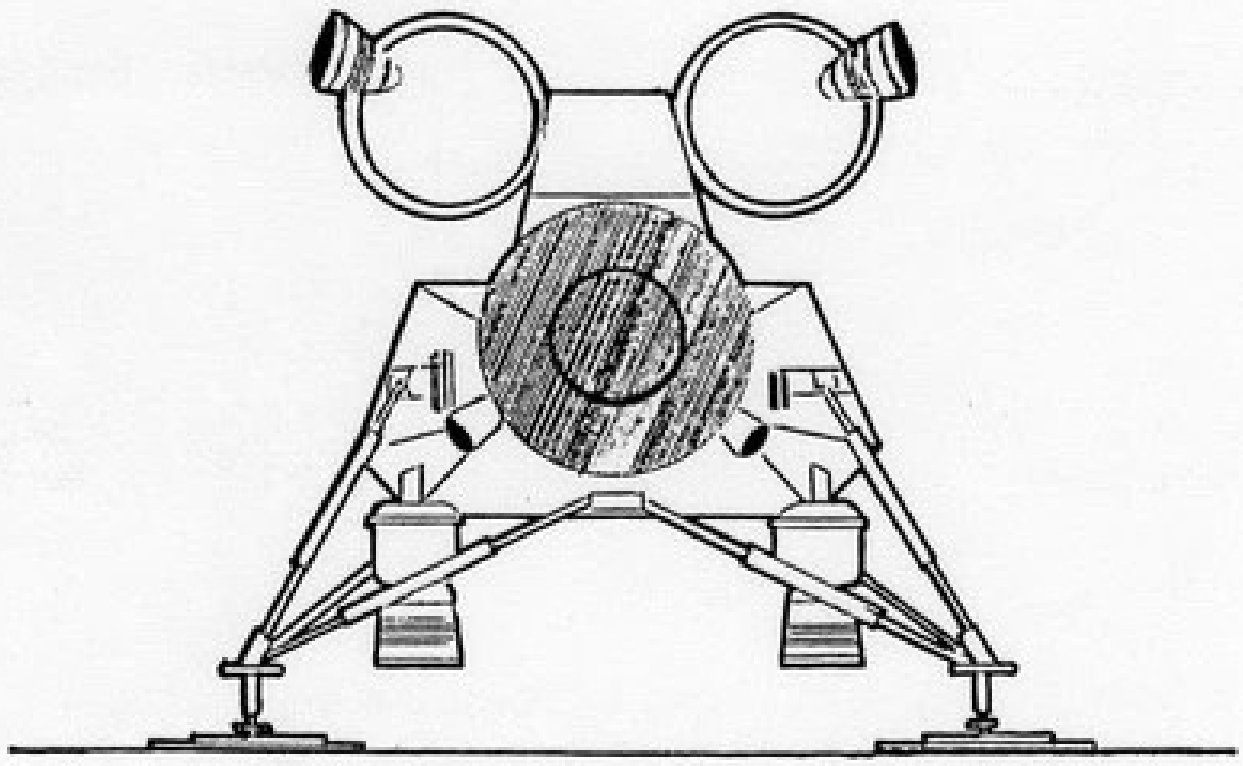
SWIFT



SWIFT



FRONT ELEVATION



REAR ELEVATION

Key

SWIFT-INTERPLANETARY SUPPORT CRAFT (SPACEPROBE-4010-4012)

(A) HEAT SHIELDING
(B) FORWARD VIEWPORTS (2) P/S
(C) MAIN SENSOR
(D) MANEUVERING POCKETS (4 top side)
(E) MAGNETIC DOCKING LATCH
(F) NAVAGATION BEACON
(G) STEERING ROCKETS (3)
(H) EXPLOSIVE BOLTS (6) P/S
(I) SERVICE MODULE
(J) BOOSTER SUPPORT LATCHES (6) P/S
(K) MAGNETIC BOLTS
(L) BOOSTER ENGINE
(M) SERVICE MODULE STAIR WELL
(N) ANTI-GRAVITY STAPILIZER (4) P/S
(O) MANEUVERING ROCKETS (3)
(P) MAIN ENGINE
(Q) MAGNETIC BOLT
(R) MISSILE PORTS
(S) MANEUVERING ROCKETS (8) P/S
(T) SWIFT SHUTTLE (LIFE BOAT)
(U) OUTBOARD FUEL TANK (2) P/S
(V) MANEUVERING BOOSTERS (2) P/S
(W) MAIN ENGINE
(X) LANDING PAD (4)
(Y) LIFT OFF/LANDING ROCKETS (4) P/S
(Z) PILOT/COMMAND SECTION .
(AA) LANDING ROCKETS (6)
(BB) PASSENGER MODULE
(CC) AIR LOCK OPENING (UNDERNEATH)
(DD) FUEL TANK
(EE) SLIDING DOOR (2) P/S
(FF) NUCLEAR POWER PACKS (2) REAR P/S
(GG) FUEL LINES
(HH) FUEL TANKS (3)
(II) HYDRAULIC SUSPENSION/LANDING SUPPORT FRAME
(JJ) STRAP-ON BOOSTER UNIT/FUEL TANK (2) P/S
(KK) BACKUP THRUSTERS (2)
(LL) STRAP-ON BOOSTER TANK OUT LINE

COMPLEMENT: PILOT
COPILOT-NAVIGATOR
CREW MEMBERS (2)

LENGTH: 77 ft.
WIDTH: 24 ft.
HEIGHT: 26.81 ft.
GROSS WEIGHT: 225 tons
PROPULSION: 1 nuclear fusion engine
2 nuclear fusion boosters
3 maneuvering nuclear fusion engines
10 chemical fuel landing rockets

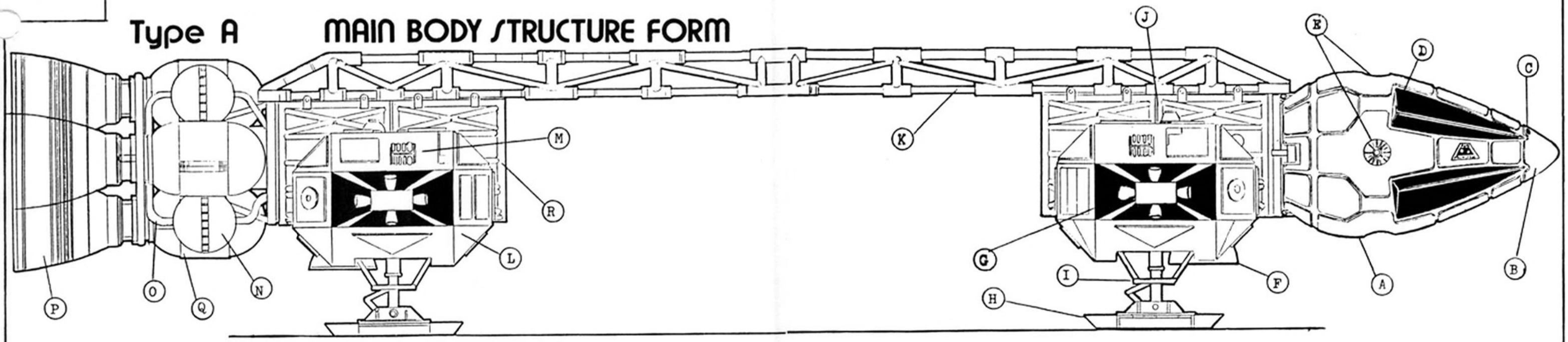
FUEL: compressed hydrogen

MAXIMUM VELOCITY: 0.20 c
MAXIMUM RANGE: indefinite

ENDURANCE: indefinite
(It is estimated between one thousand, and one billion years)
ARMAMENT: 2 space-to-space missiles

EAGLE

Type A MAIN BODY STRUCTURE FORM



Key

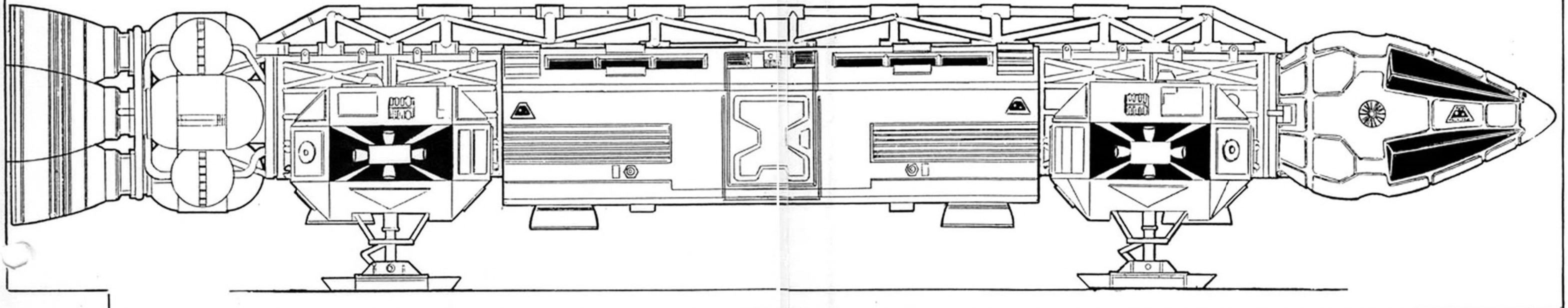
(A) COMMAND MODULE
(B) HEAT SHIELDING
(C) MISSLE PORTS
(D) FORWARD VIEWPORTS (2)
(E) STEERING ROCKETS (4)
(F) LANDING ROCKETS (4)
(G) MANEUVERING ROCKETS (16)
(H) LANDING PADS (4)
(I) HYDRAULIC SUSPENSION
(J) SERVICE MODULE
(K) SUPPORTING FRAME
(L) OUTBOARD FUEL TANKS (4)
(M) ANTI-GRAVITY STABILIZERS (4)
(N) FUEL TANKS
(O) FUEL LINES
(P) MAIN ENGINES (4)
(Q) MAGNETIC BOLTS
(R) ENGINEERING MODULE

"BIRD OF PREY" SERIES
INTERPLANETARY SPACECRAFT

AUTHORIZATION: INTERNATIONAL LUNAR FINACE COMMITTEE
1992 APPROPRIATION

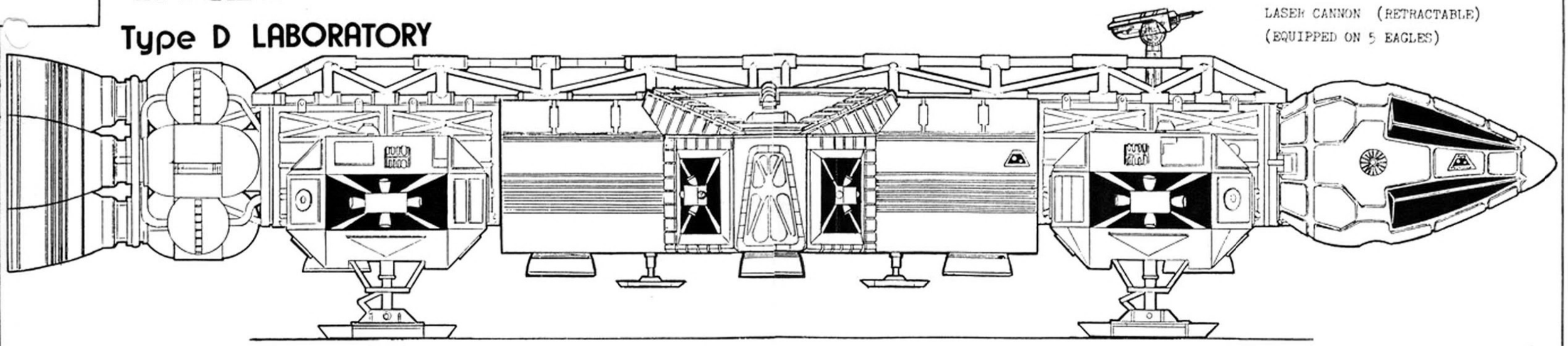
FALCON CLASS SHUTTLE PREDECESSOR

Type B &C TRANSPORTER/RECONNAISSANCE



EAGLE

Type D LABORATORY



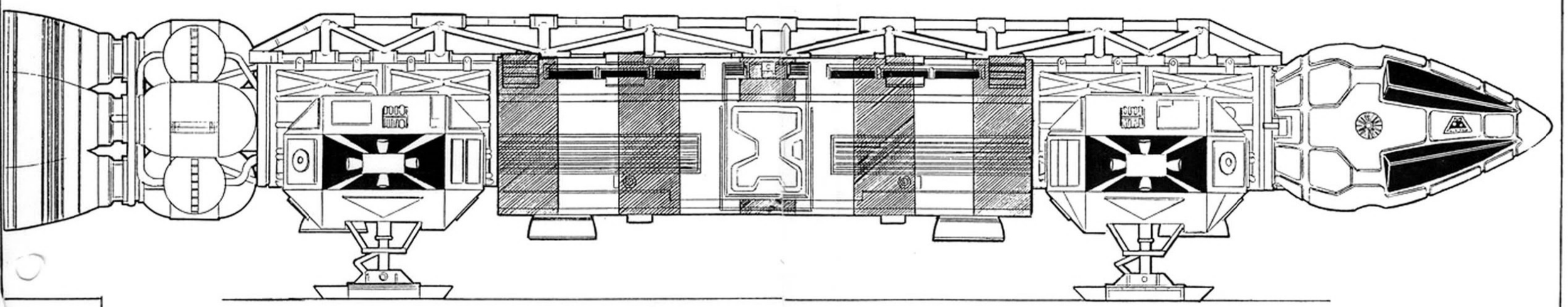
REGISTRATION: LUNA

CONSTRUCTION: VEHICLE ASSEMBLY SECTION,
MOONBASE ALPHA

LENGTH: 99.26 FT.
WIDTH: 43.2 FT.
HEIGHT: 18.56 FT.
GROSS WEIGHT: 238 TONS
PROPULSION: 4 NUCLEAR FUSION ENGINES
4 CHEMICAL FUEL LANDING ROCKETS
STRAP-ON BOOSTER UNITS
FUEL: COMPRESSED HYDROGEN
MAXIMUM VELOCITY: 0.15c
MAXIMUM RANGE: 16 BILLION MILES

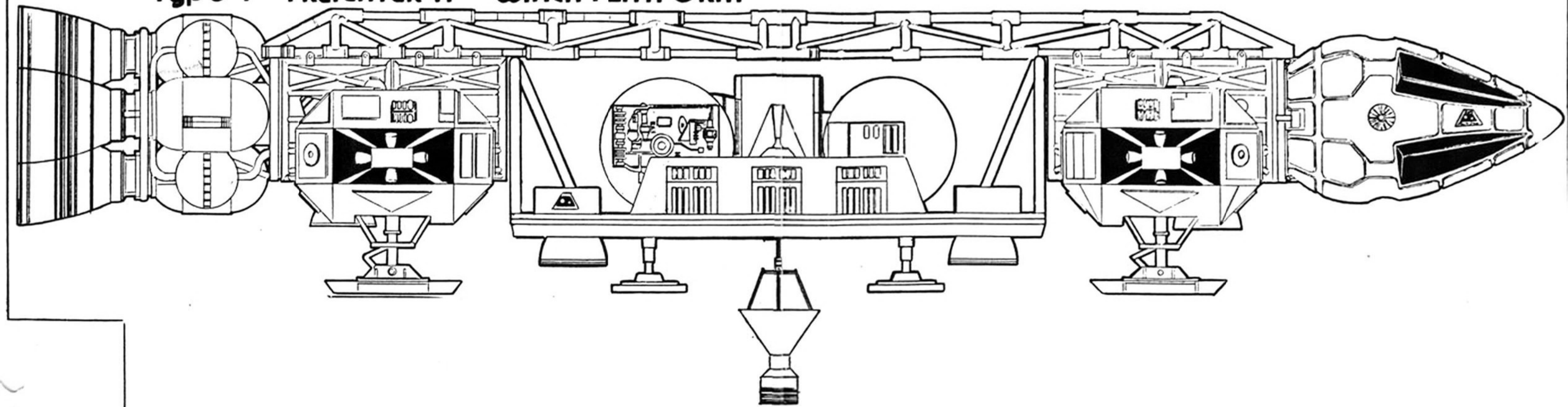
ENDURANCE: 96 HOURS
ARMAMENT: 2 LASER GUNS
2 SPACE TO SPACE MISSLES
UTILITY POD LENGTH: 33.56 FT.
UTILITY POD WIDTH: 19.86 FT.
UTILITY POD HEIGHT: 11.6 FT.
UTILITY POD ENDURANCE: 672 HOURS
STANDARD CEILING HEIGHT: 7 FT
SHIPS POWER: NUCLEAR GENERATOR

Type E RESCUE

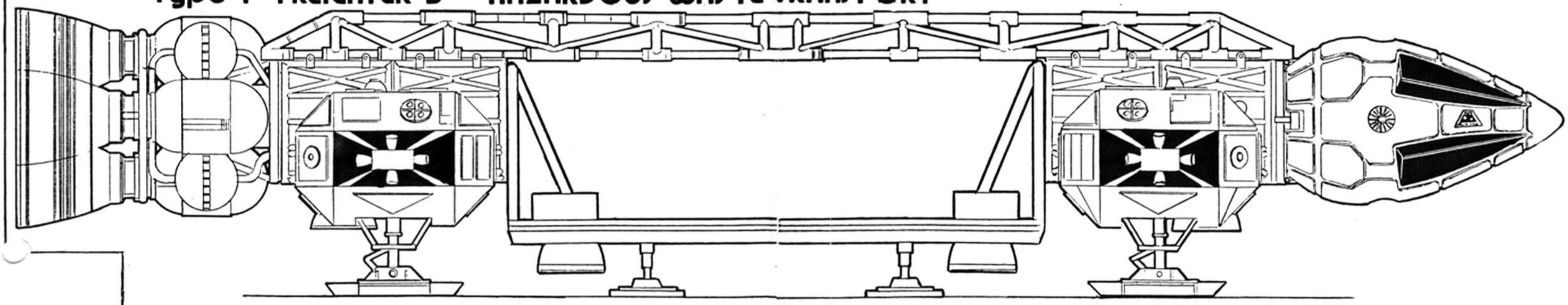


EAGLE

Type F FREIGHTER A WINCH PLATFORM



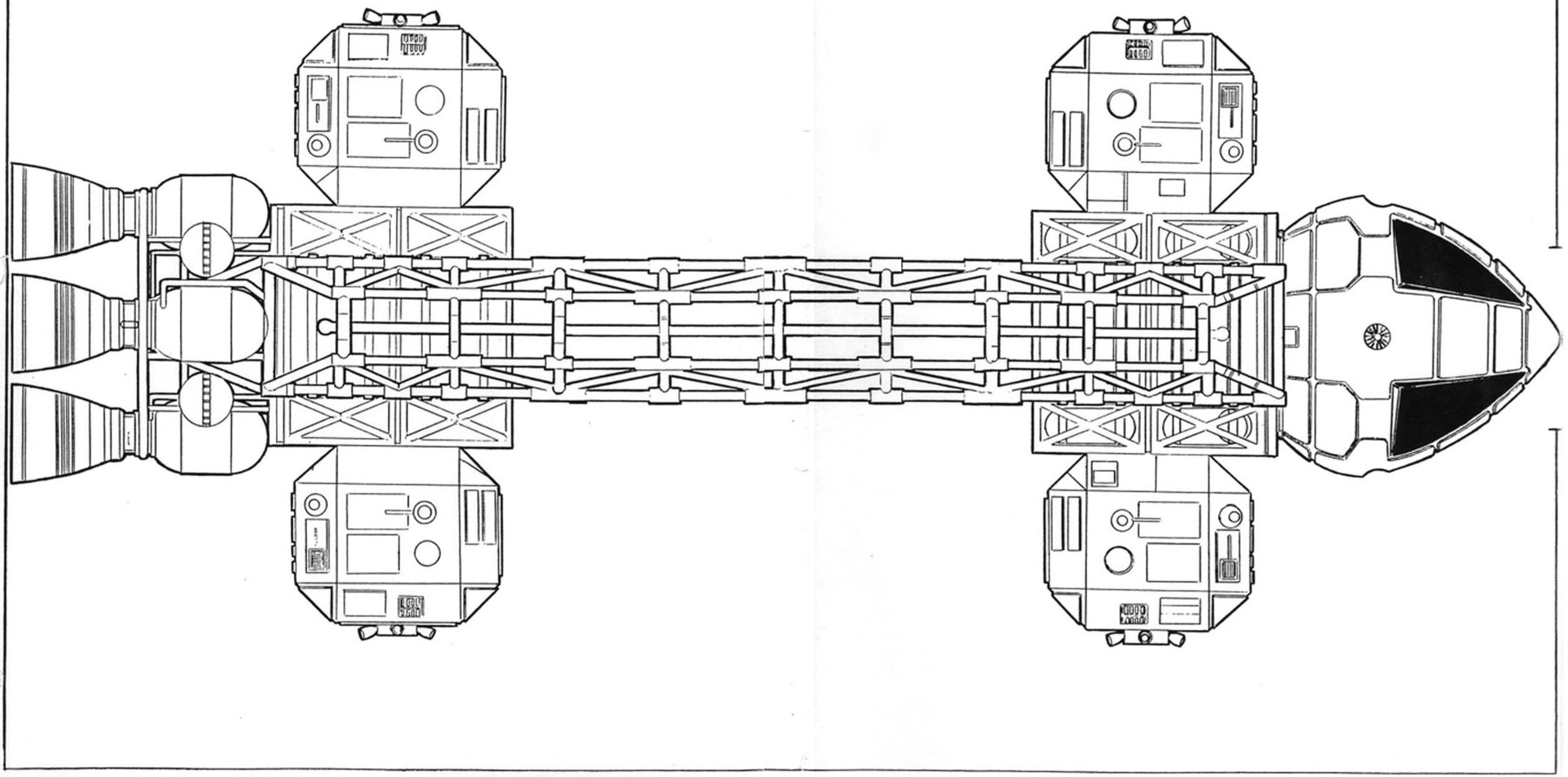
Type F FREIGHTER B HAZARDOUS WASTE TRANSPORT



EAGLE

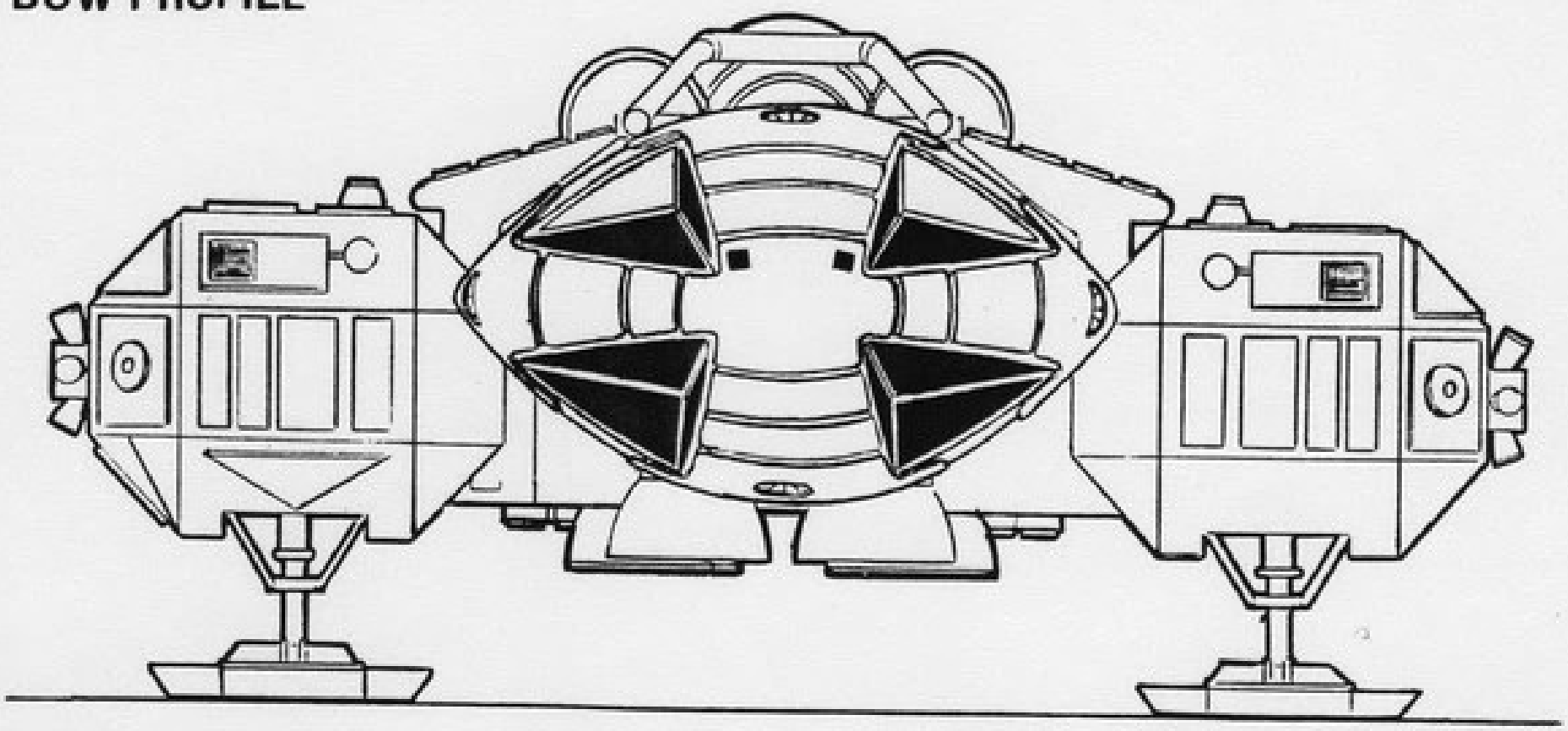
Type A MAIN BODY STRUCTURE FORM

TOP PLAN VIEW

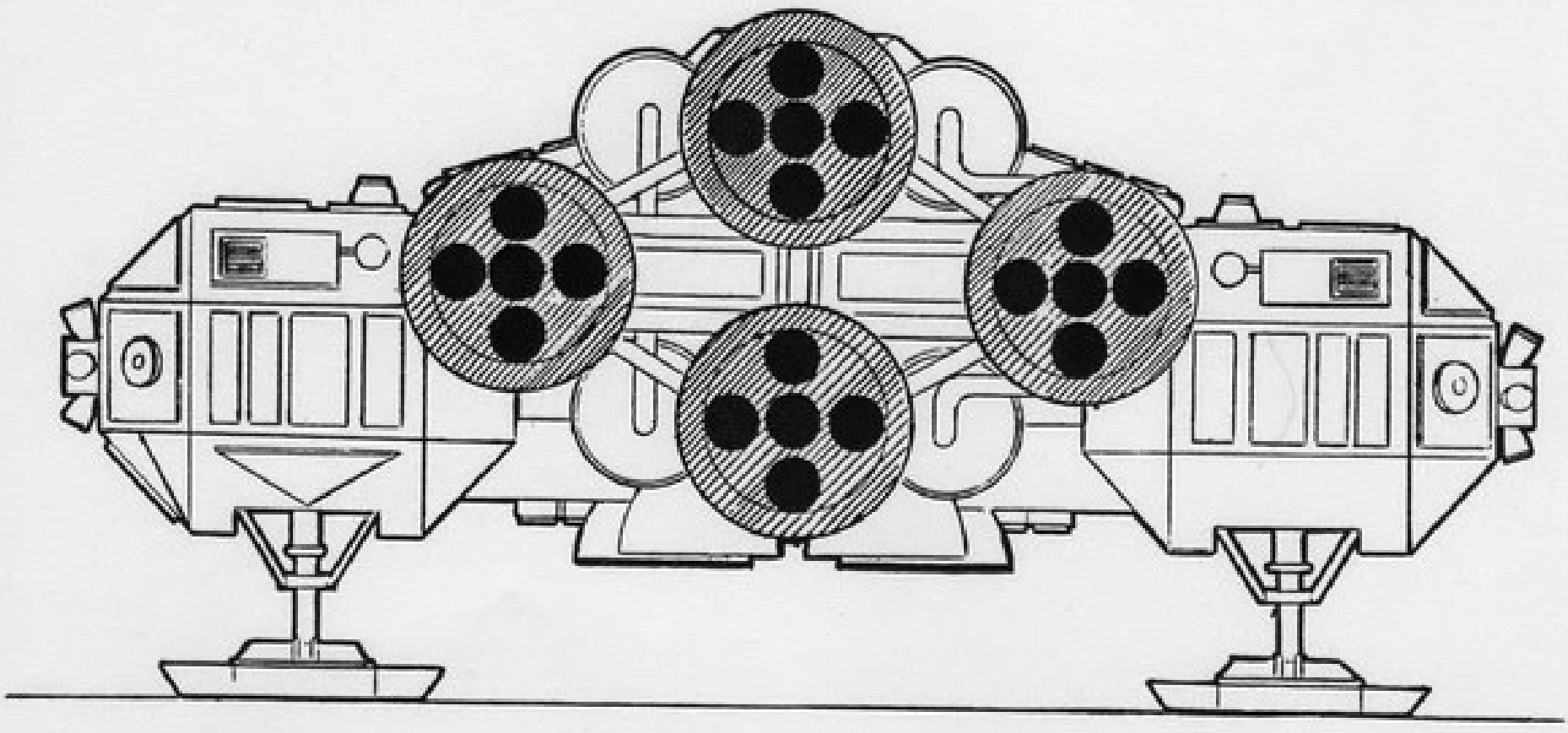


EAGLE

BOW PROFILE

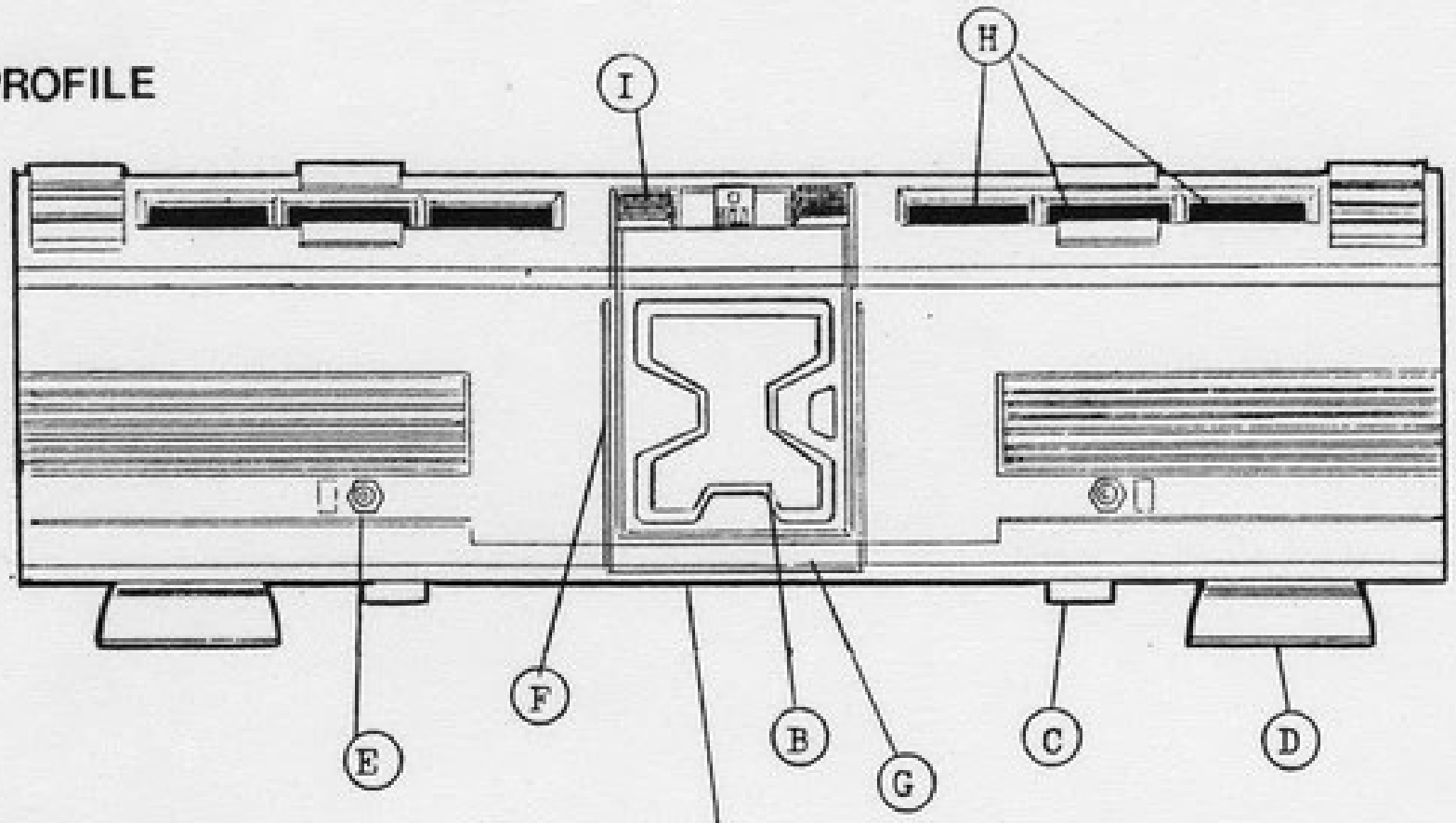


STERN PROFILE

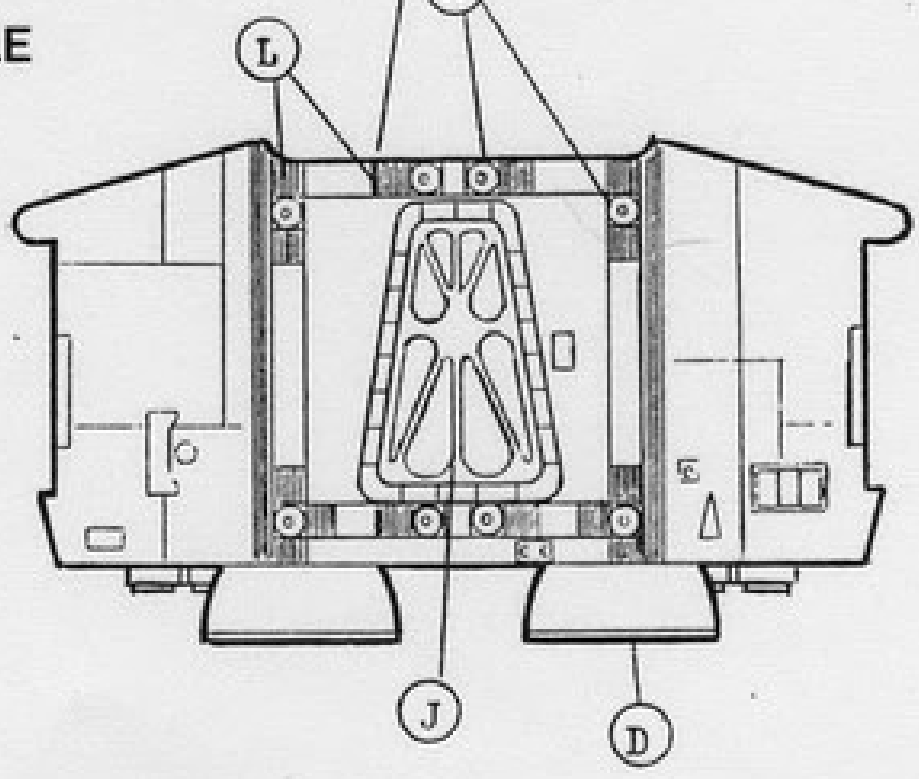


UTILITY POD
TYPE B/C/E
TRANSPORTER/RECONNAISSANCE/RESCUE

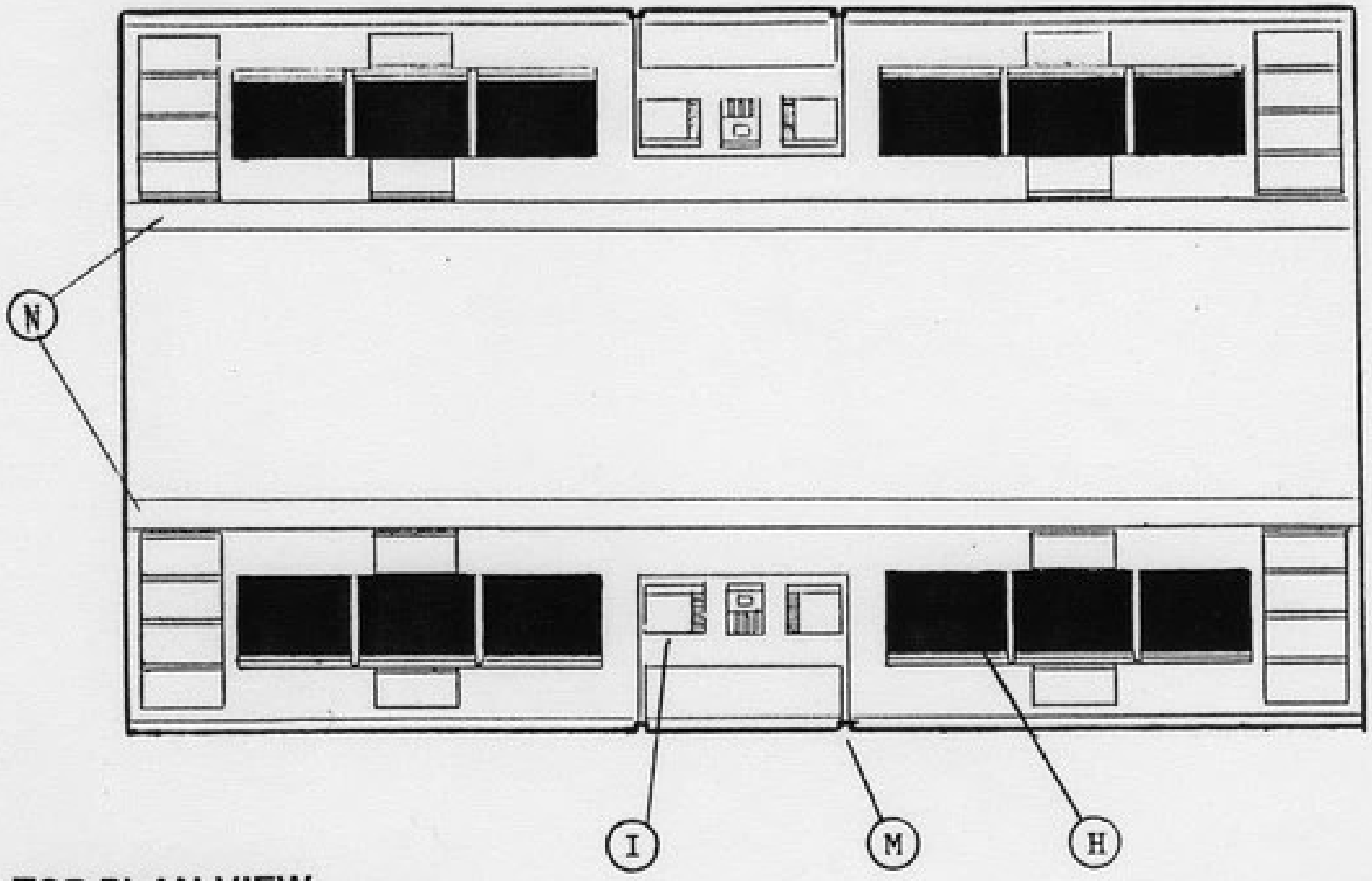
SIDE PROFILE



BOW/STERN PROFILE



UTILITY POD
TYPE B/C/E



TOP PLAN VIEW

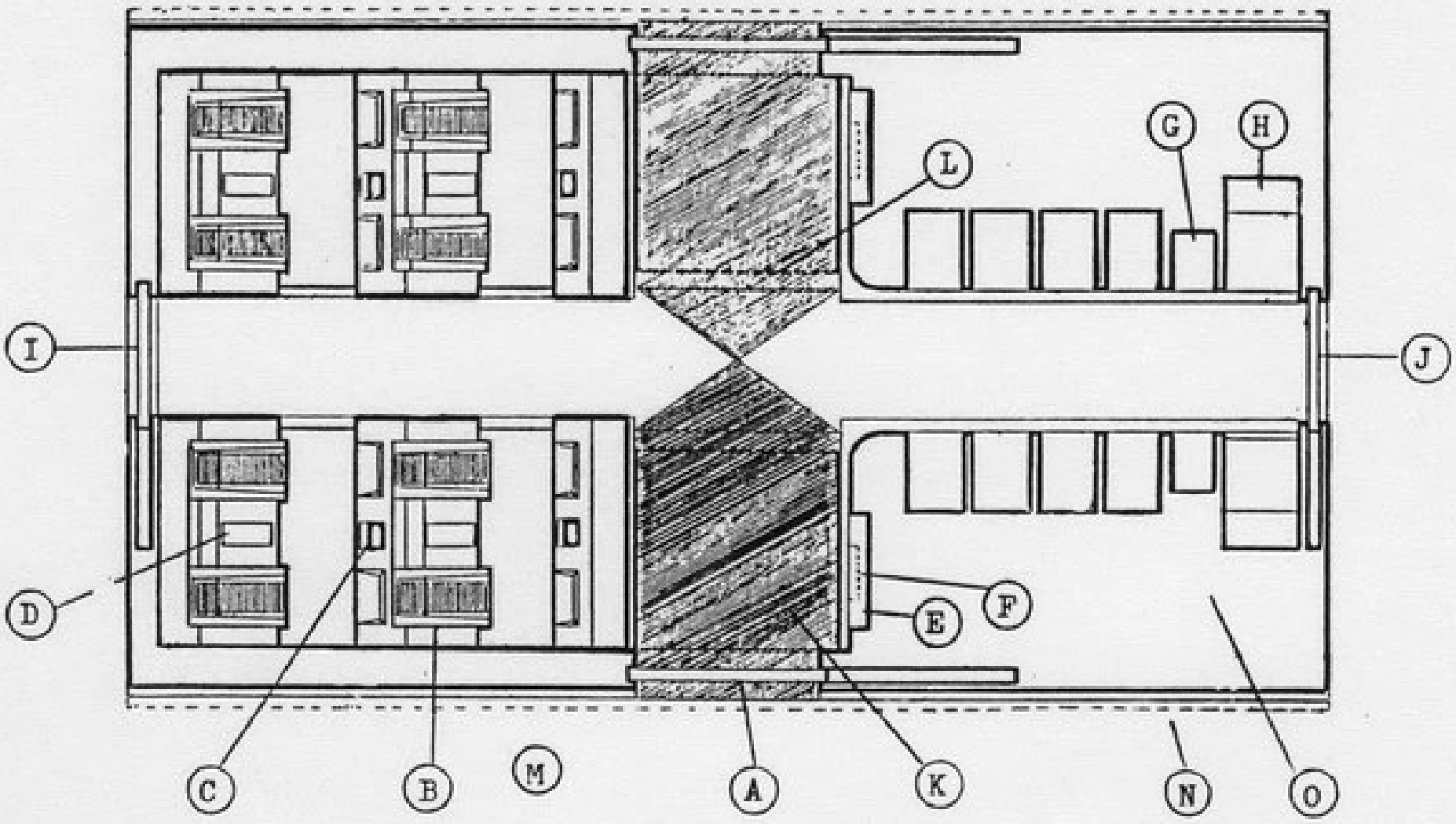
Key

(A) EAGLE UTILITY POD TYPE B/C/E * (DETACHED)
(B) SLIDING DOOR (2 P/S)
(C) POD SUPPORT LEG (4)
(D) LANDING ROCKETS (4)
(E) FUEL INTAKE (4)
(F) ACCESS STEPS/HAND RAIL (RETRACTED)
(G) ACCESS STEPS (RETRACTED)
(H) VIEWPORTS (12) **
(I) DOCKING TUBE MAGNETIC LATCHES
(J) ACCESS HATCH SLIDING DOOR
(K) DOCKING PINS FOR MAIN EAGLE BODY ATTACHMENT
(L) MAGNETIC LATCHES
(M) BOARDING TUBE ATTACHMENT SLOT
(N) MAGNETIC STRIP FOR EAGLE SUPPORTING FRAME ATTACHMENT

* TYPE E UTILITY POD (RESCUE) IS IDENTICAL TO TYPE B AND C IN CONFIGURATION EXCEPT FOR RED STRIPING ON ITS' SIDES. (SEE INTERPLANETARY SPACECRAFT)

** VIEWPORTS ARE ONLY ON COMMERCIAL TRANSPORTER PASSENGER PODS. THESE SPACES ARE SOLAR PANELS ON OTHER UTILITY PODS.

TYPE B
TRANSPORTER



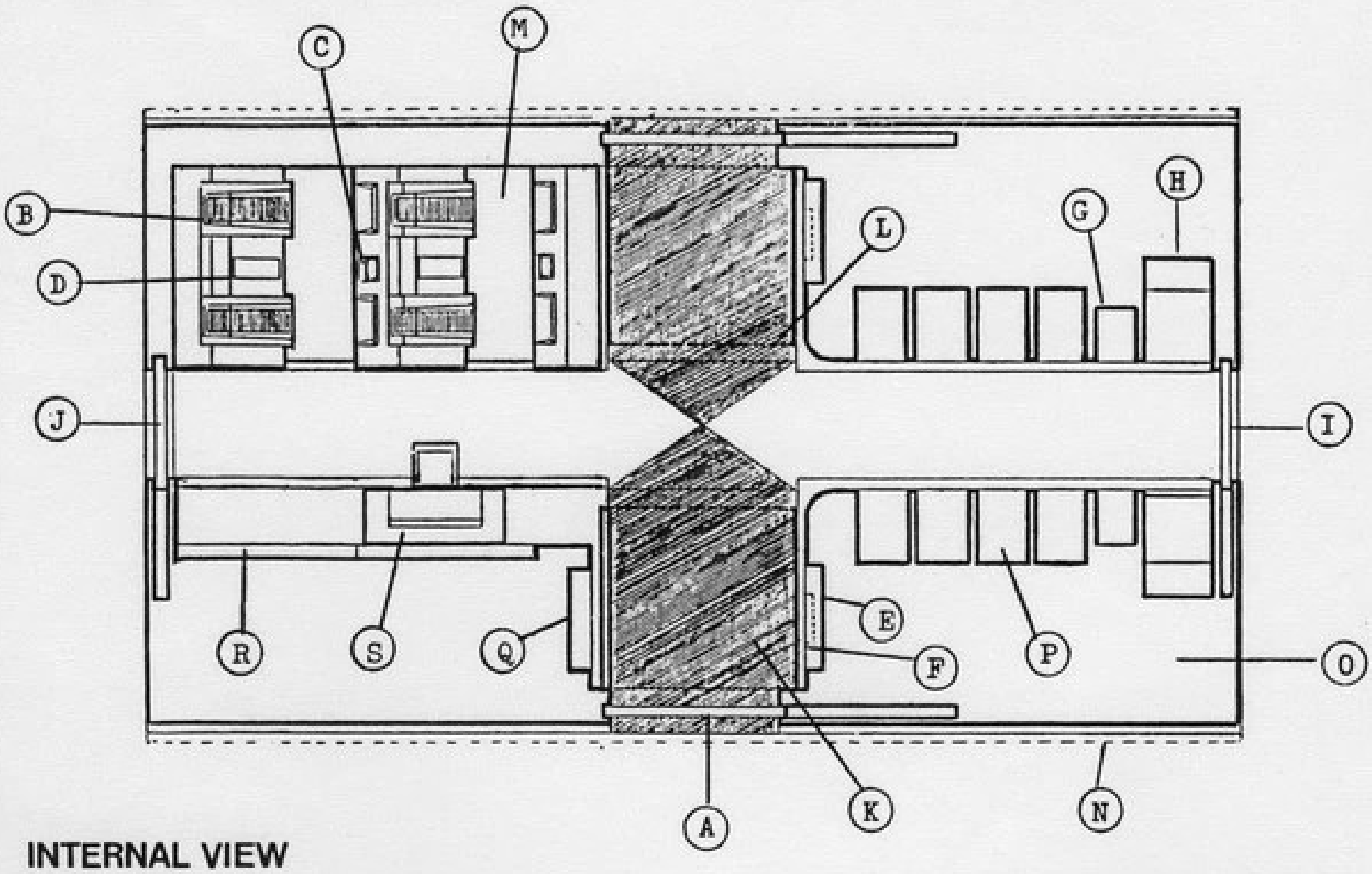
Key

(A) SLIDING DOOR (2 p/e)
(B) PASSENGER SEATS (8)
(C) VIDEO SCREEN *
(D) CONTROL CONSOLE (4)
(E) STORAGE RACK **
(F) MAIN VIEW SCREEN (?)
(G) EQUIPMENT SHELVES (?)
(H) REFRIGERRATED FOOD LOCKER (?)
(I) SLIDING DOOR TO AFT COMPARTMENT
(J) SLIDING DOOR TO FORWARD COMPARTMENT
(K) NON-SLIP FLOOR SURFACE
(L) OUTLINE WHERE FLOOR BEGINS TO DESCEND TOWARD DOOR.
(M) SUNKEN FLOOR AREA (ONLY IN SEATING SECTION)
(N) OUTLINE OF MODULE OVERHANG
(O) LIFE SUPPORT SYSTEMS

* WHILE ENROUTE BETWEEN EARTH AND THE MOON, THESE VIDEO SCREENS PROVIDED MOVIE ENTERTAINMENT FOR ONBOARD PASSENGERS. AFTER BREAKAWAY, ALL SCREENS WERE MODIFIED FOR MAIN COMPUTER SHIP SERVICES.

** AFTER BREAKAWAY THESE STORAGE AREAS WERE MODIFIED TO WEAPONS RACKS

TYPE C
RECONNAISSANCE

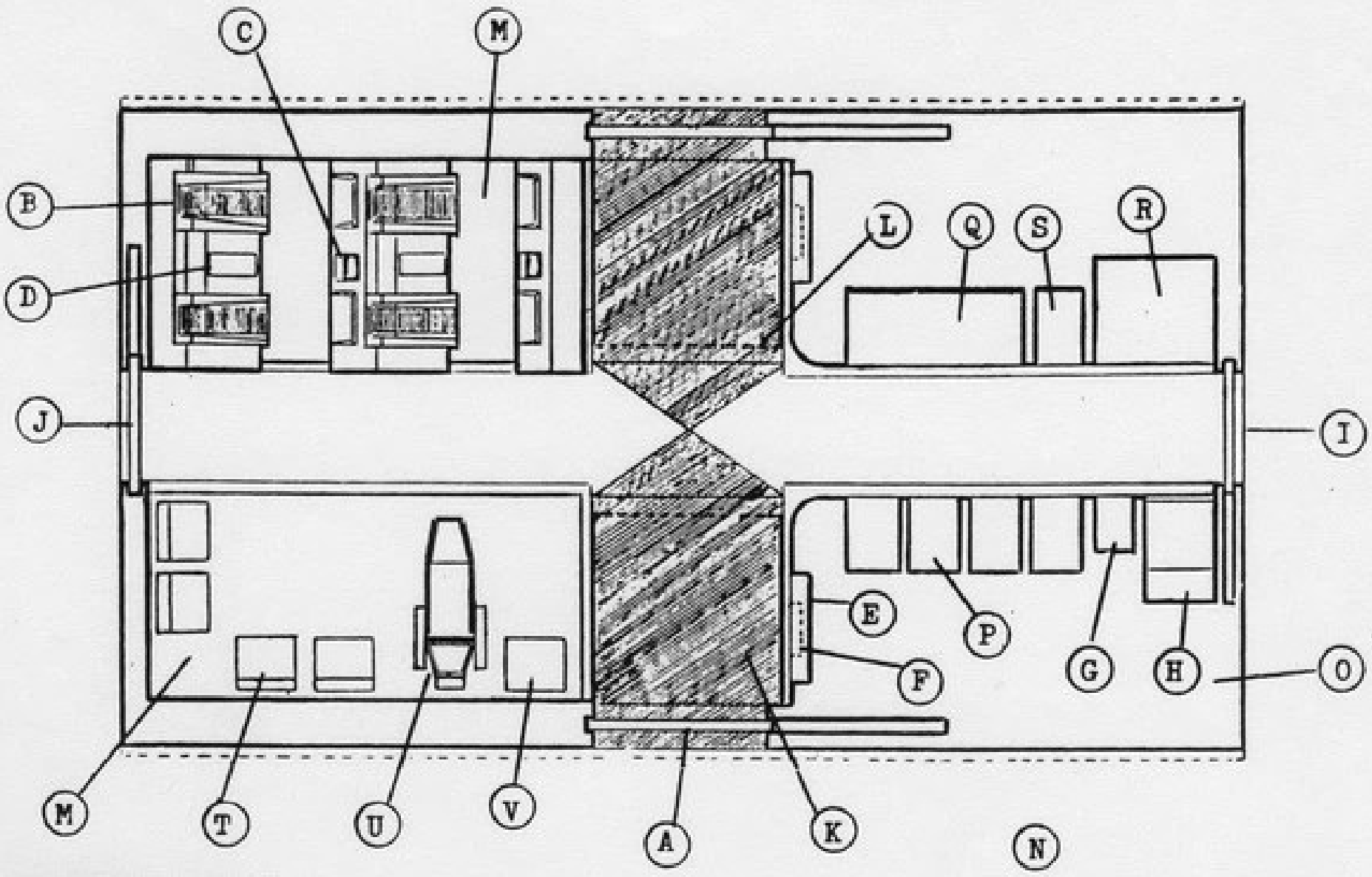


INTERNAL VIEW

Key

(A) SLIDING DOOR (? P/S)
(B) PASSENGER SEATS (4)
(C) VIEW.SCREEN (2)
(D) CONTROL CONSOLE (2)
(E) WEAPONS RACK (?)
(F) MAIN VIEW SCREEN (2)
(G) EQUIPMENT SHELVES (?)
(H) REFRIGERATED FOOD LOOKER (2)
(I) SLIDING DOOR TO FORWARD COMPARTMENT
(J) SLIDING DOOR TO AFT COMPARTMENT
(K) NON-SLIP FLOOR SURFACE
(L) OUTLINE WHERE FLOOR BEGINS TO DESCEND TOWARD DOOR
(M) SUNKEN FLOOR AREA (ONLY IN SEATING SECTION)
(N) OUTLINE OF MODULE OVERHANG
(O) LIFE SUPPORT SYSTEMS
(P) SPACESUIT RACKS (8)
(Q) STORAGE SHELVES
(R) COMPUTER WALL
(S) COMPUTER ACCESS DESK/CHAIR

TYPE E
RESCUE

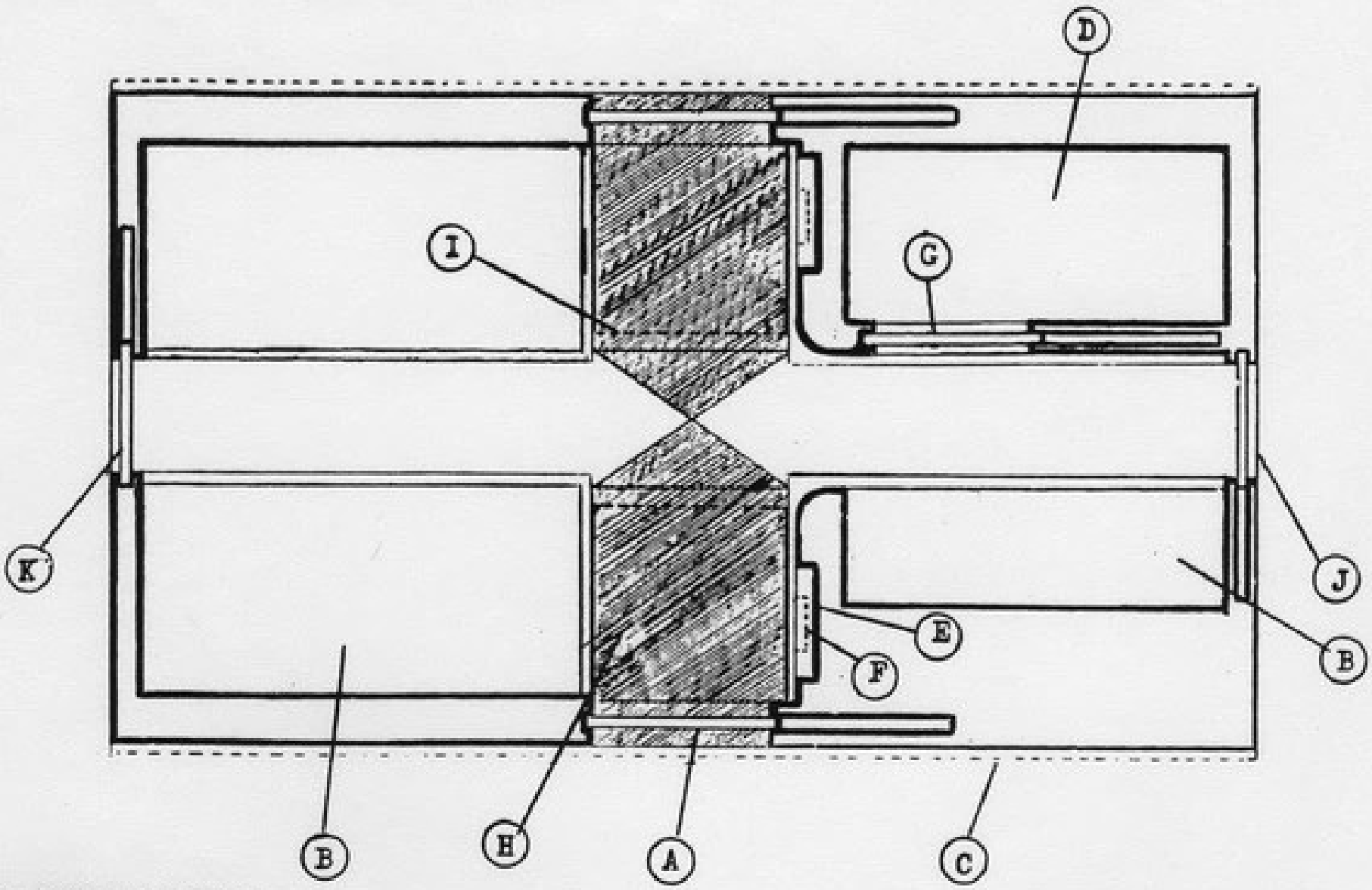


INTERNAL VIEW

Key

(A) SLIDING DOOR (2 P/S)
(B) PASSENGER SEATS (4)
(C) VIEW SCREEN (2)
(D) CONTROL CONSOLE (2)
(E) WEAPONS RACK
(F) MAIN VIEW SCREEN (2)
(G) EQUIPMENT SHELF
(H) REFRIGERATED FOOD LOCKER
(I) SLIDING DOOR TO FORWARD COMPARTMENT
(J) SLIDING DOOR TO AFT COMPARTMENT
( ) NON-SLIP FLOOR SURFACE
(L) OUTLINE WHERE FLOOR BEGINS TO DESCEND
(M) SUNKEN FLOOR AREA
(N) OUTLINE OF MODULE OVERHANG
(O) LIFE SUPPORT SYSTEMS
(P) SPACESUIT RACKS (4) (2 SUITS PER RACK)
(Q) FOLDING STRETCHER STORAGE AREA
(R) REFRIGERATED MEDICAL SUPPLIES LOCKER
(S) MEDICAL INSTRUMENT STORAGE SHELF
(T) MOBILE MEDICAL MONITORS
(U) HYDRAULIC COUCH
(V) MEDICINE SUPPLY TABLE

TYPE F
FREIGHTER C
CARGO TRANSPORT



INTERNAL VIEW

Key

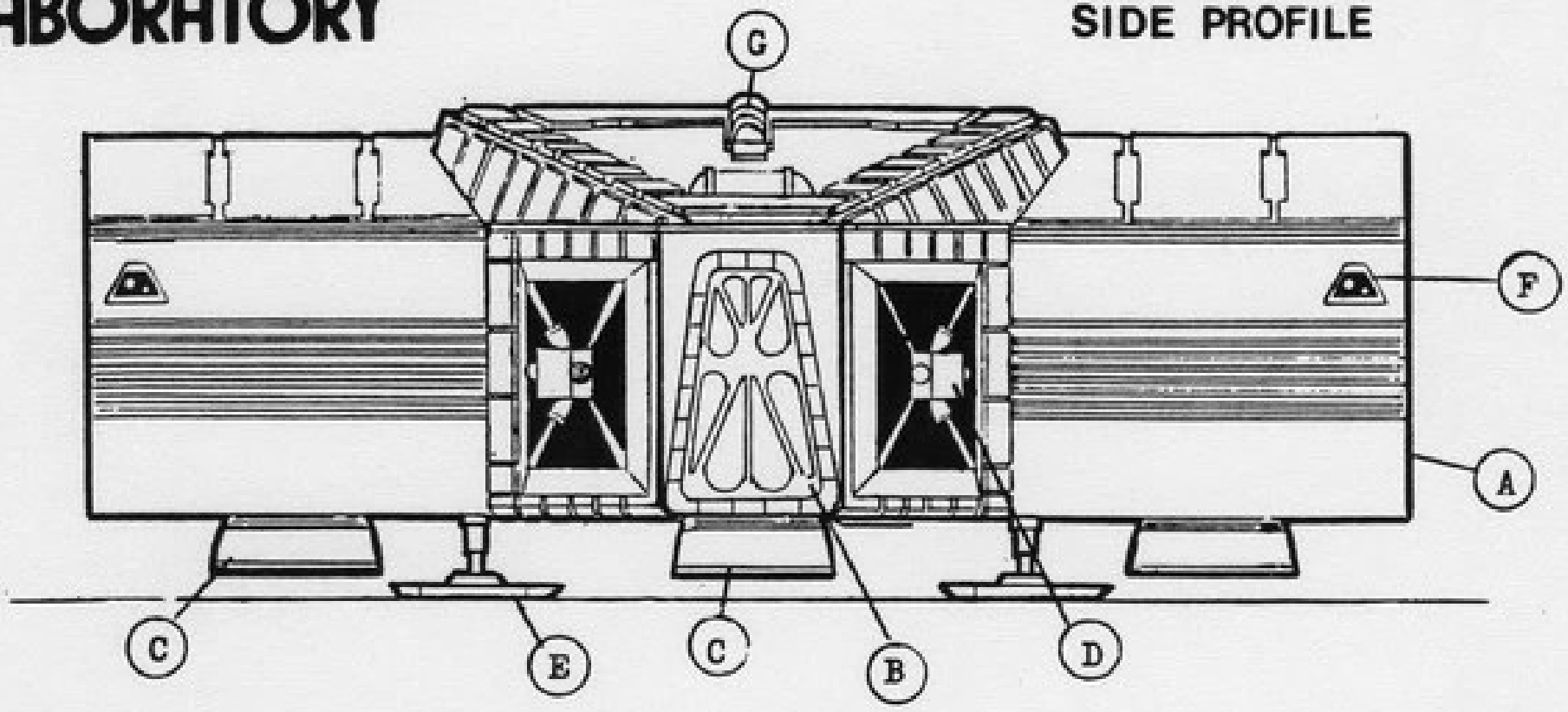
(A) SLIDING DOOR (? P/S)
(B) CARGO STORAGE AREA
(C) OUTLINE OF MODULE OVERHANG
(D) PERISHABLE GOODS STORAGE (TEMPERATURE CONTROL UNIT)
(E) STORAGE SHELF
(F) VIEW SCREEN (?)
(G) SLIDING DOOR
(H) NON-SLIP FLOOR SURFACE
(I) BEGINING OF FLOOR DESCENT
(J) SLIDING DOOR TO FORWARD COMPARTMENT
(K) SLIDING DOOR TO AFT COMPARTMENT

UTILITY POD

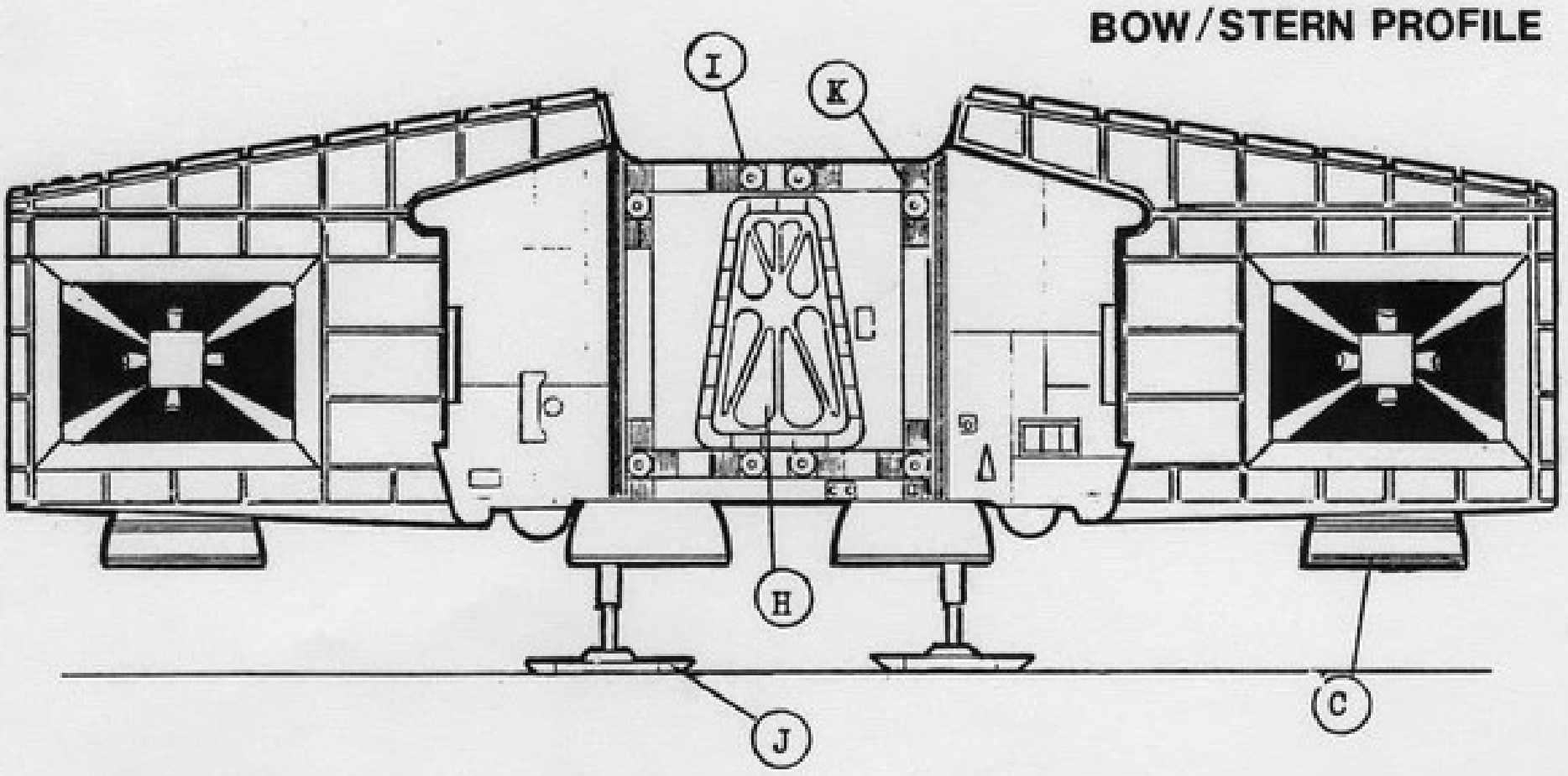
TYPE D

LABORATORY

SIDE PROFILE



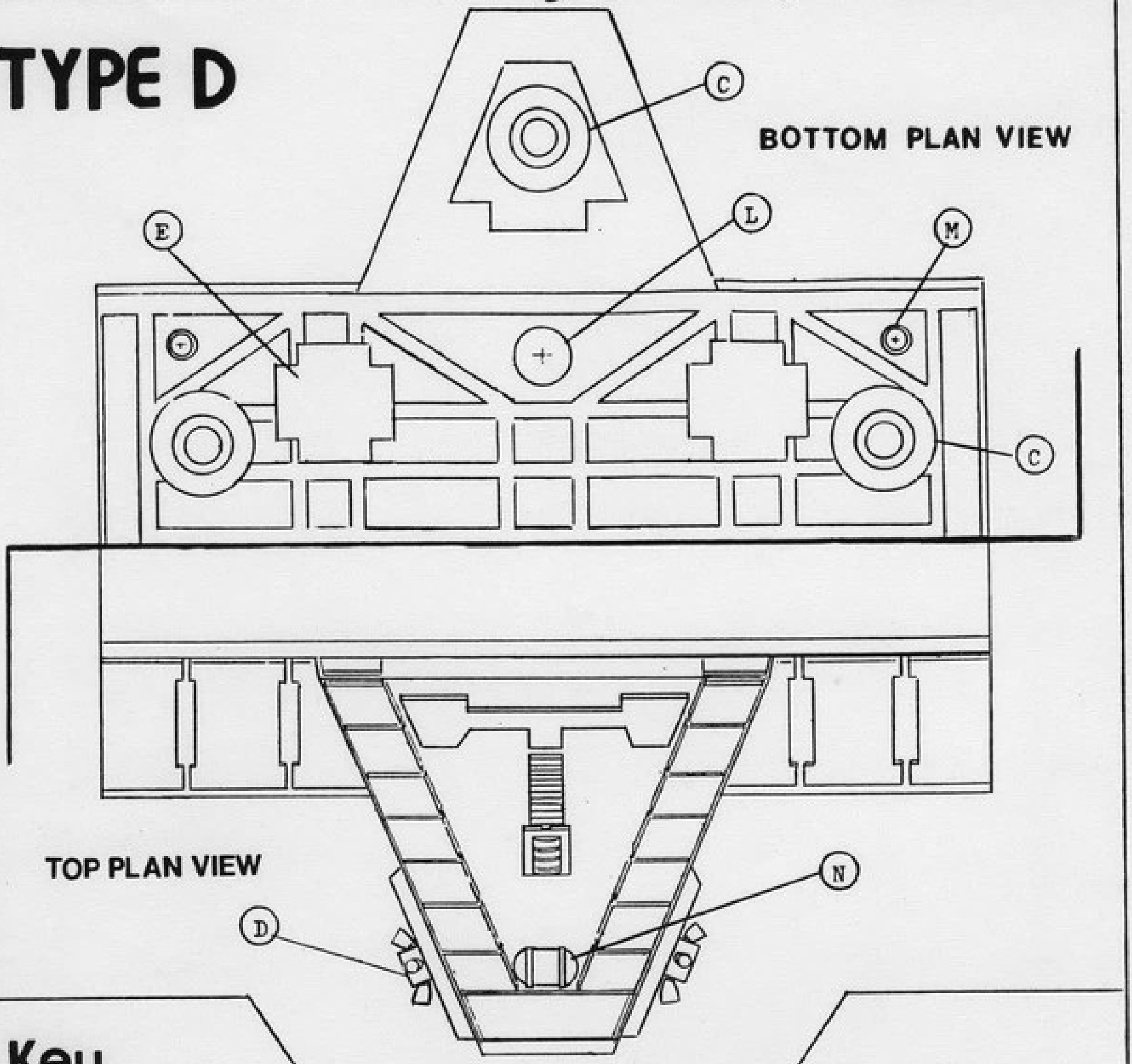
BOW/STERN PROFILE



SpaceCraft

Eagle Utility Pod 4026

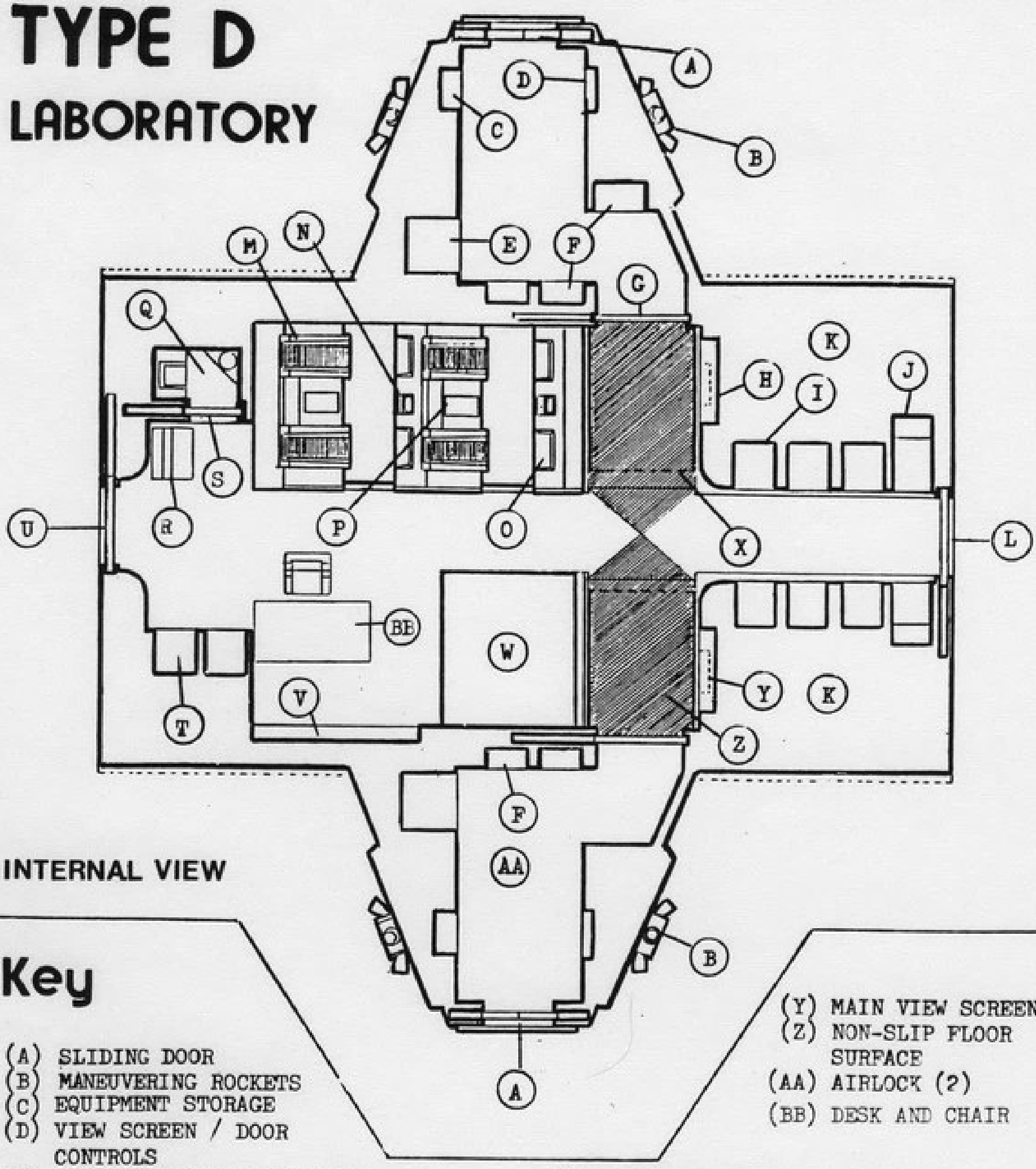
TYPE D



Key

(A) LABORATORY POD
(B) SLIDING DOOR
(C) LANDING ROCKETS (6)
(D) MANEUVERING ROCKETS (16)
(E) POD SUPPORT LEGS (4) (RETRACTED)
(F) MOONBASE ALPHA INSIGNIA
(G) SENSORY EQUIPMENT
(H) SLIDING HATCH
(I) DOCKING PIN
(J) POD SUPPORT LEGS (4) (EXTENDED)
(K) MAGNETIC LATCHES
(L) SENSOR ARRAY
(M) LANDING LIGHTS w/DOME COVERINGS
(N) NAVIGATONAL SENSOR

TYPE D
LABORATORY



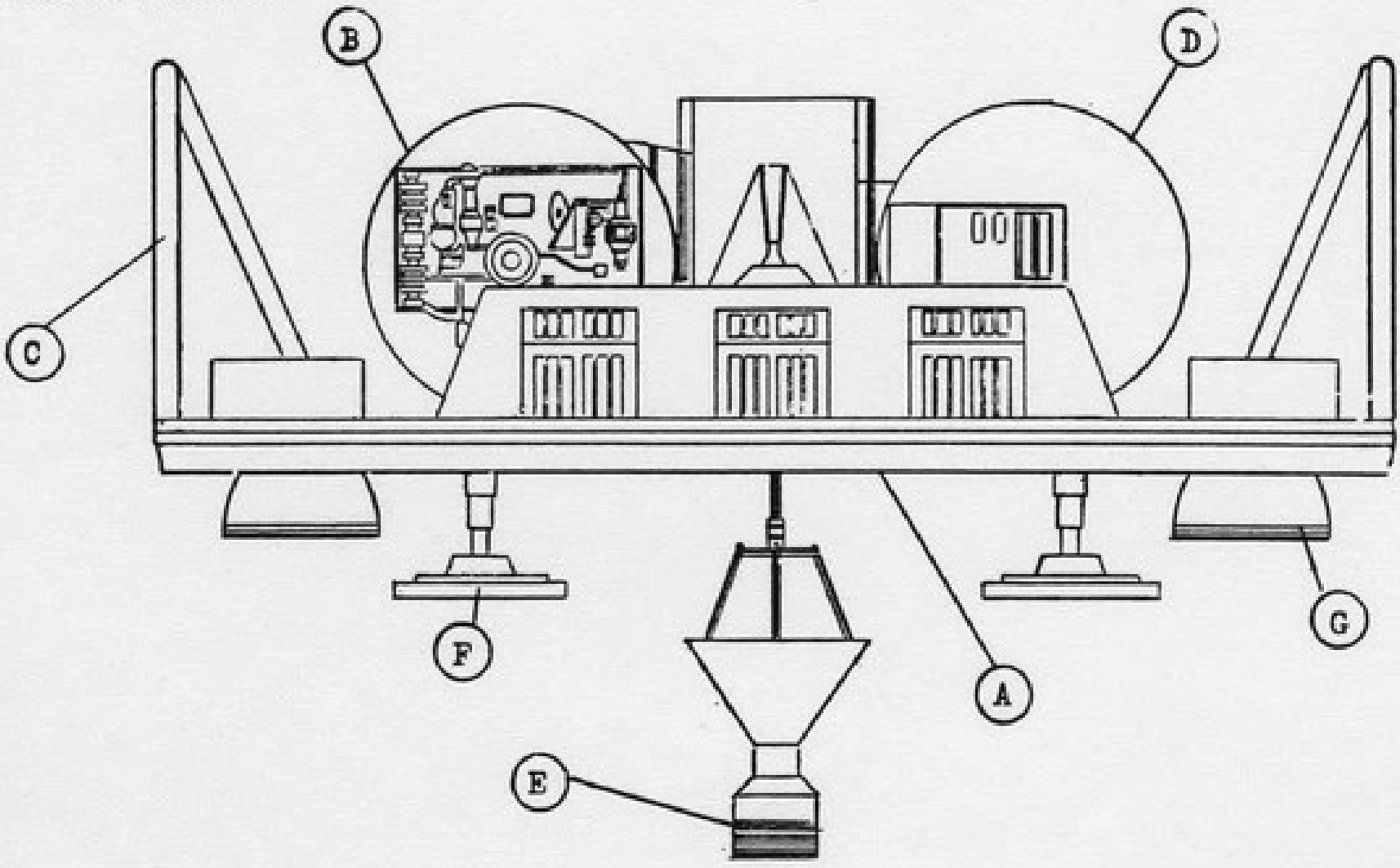
INTERNAL VIEW

Key

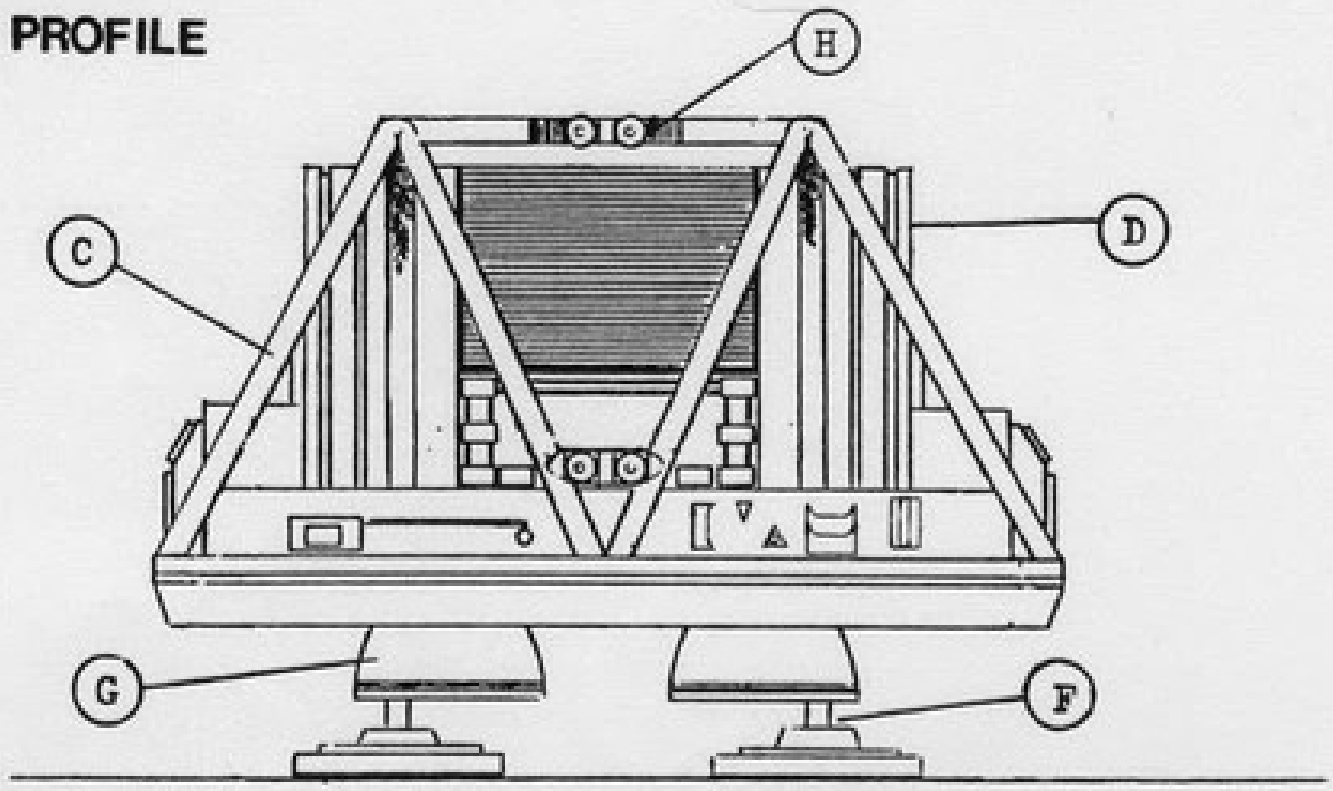
(A) SLIDING DOOR
(B) MANEUVERING ROCKETS
(C) EQUIPMENT STORAGE
(D) VIEW SCREEN / DOOR CONTROLS
(E) ANTI-RADIATION SUIT RACK
(F) SURVEY EQUIPMENT STORAGE
(G) AIRLOCK INNER DOOR
(H) WEAPONS RACK
(I) SPACESUIT RACKS (6)
(J) REFRIGERATED FOOD LOCKER
(K) LIFE SUPPORT SYSTEMS
(L) SLIDING DOOR TO FORWARD COMPARTMENT
(M) PASSENGER SEATS (4)
(N) VIEW SCREEN (2)
(O) PERSONAL EFFECTS STORAGE
(P) CONTROL PANEL
(Q) BATHROOM
(R) MOBILE RECORDING UNIT
(S) SLIDING DOOR
(T) EQUIPMENT STORAGE
(U) SLIDING DOOR TO AFT COMPARTMENT
(V) COMPUTER WALL
(W) CARGO SPACE (SUNKEN FLOOR AREA)
(X) LINE OF FLOOR DESCENT
(Y) MAIN VIEW SCREEN
(Z) NON-SLIP FLOOR SURFACE
(AA) AIRLOCK (2)
(BB) DESK AND CHAIR

TYPE F
FREIGHTER A
WINCH PLATFORM

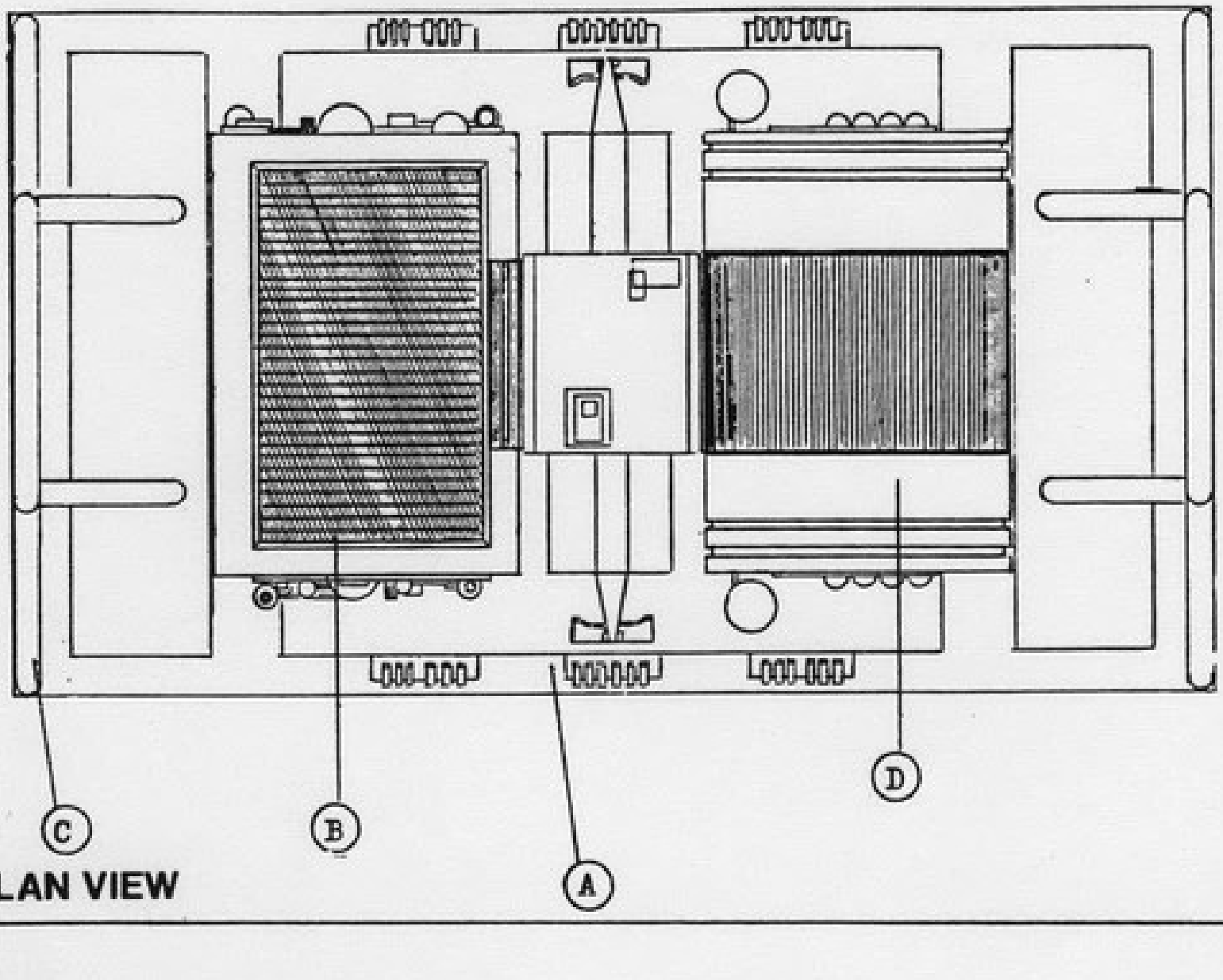
SIDE PROFILE



BOW / STERN PROFILE



TYPE F
FREIGHTER A
WINCH PLATFORM



TOP PLAN VIEW

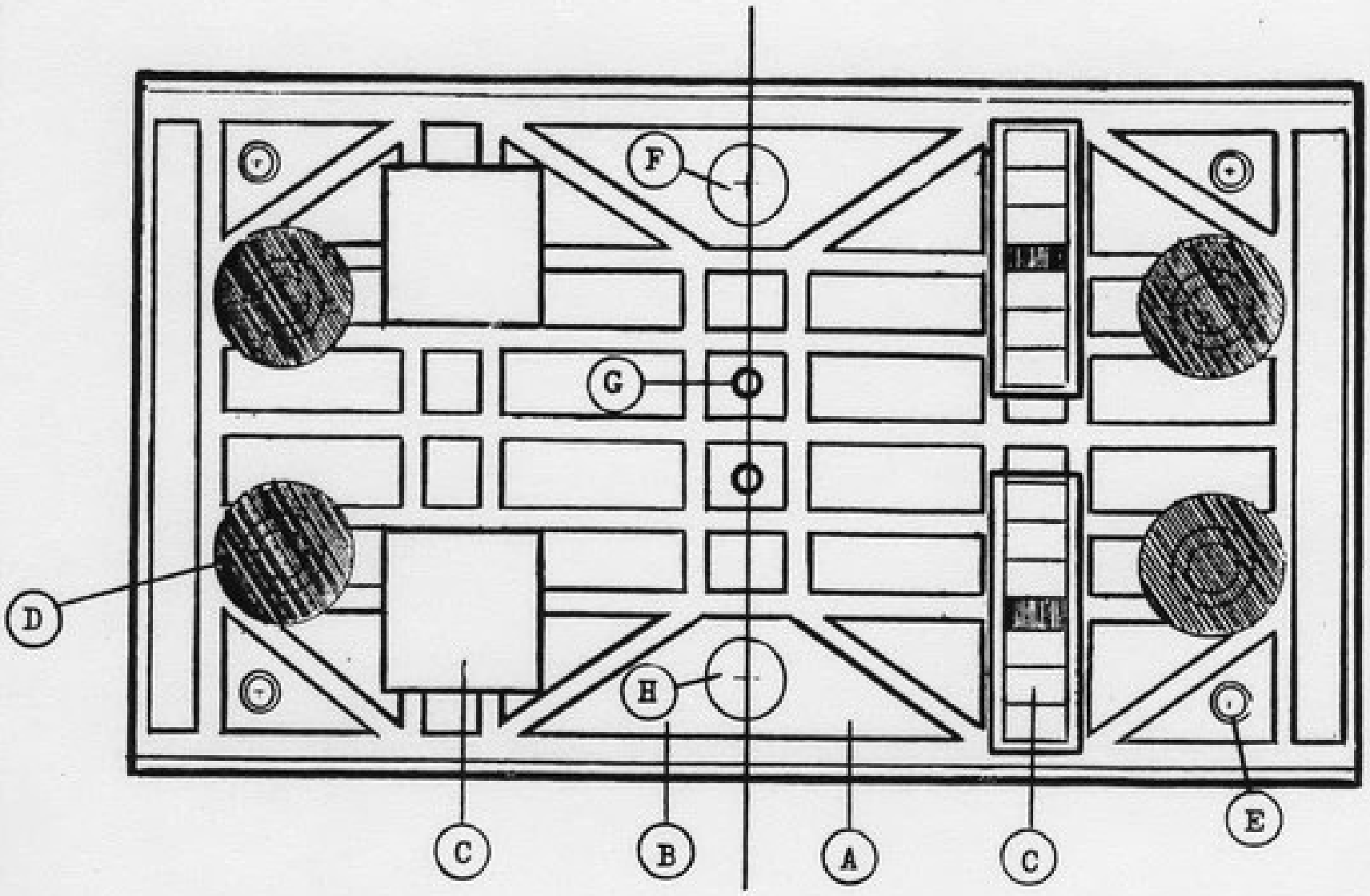
Key

(A) WINCH PLATFORM
(B) CABLE AND CABLE HOUSING
(C) DOCKING SUPPORT FRAME
(D) HOIST
(E) MAGNETIC GRABBER
(F) POD SUPPORT LEG (4)
(G) LANDING ROCKETS (4)
(H) DOCKING PINS

THE WINCH PLATFORM'S GENERAL USE WAS FOR DISPERSAL OF NUCLEAR WASTE CANNISTERS, AND IS OFTEN USED TO RETREAVE DOWNED SPACECRAFT AND TO ASSIST IN CONSTRUCTION OPPERATIONS.

MOONBASE ALPHA IS EQUIPPED WITH 26 WINCH PLATFORMS

UTILITY POD



BOTTOM PLAN VIEW

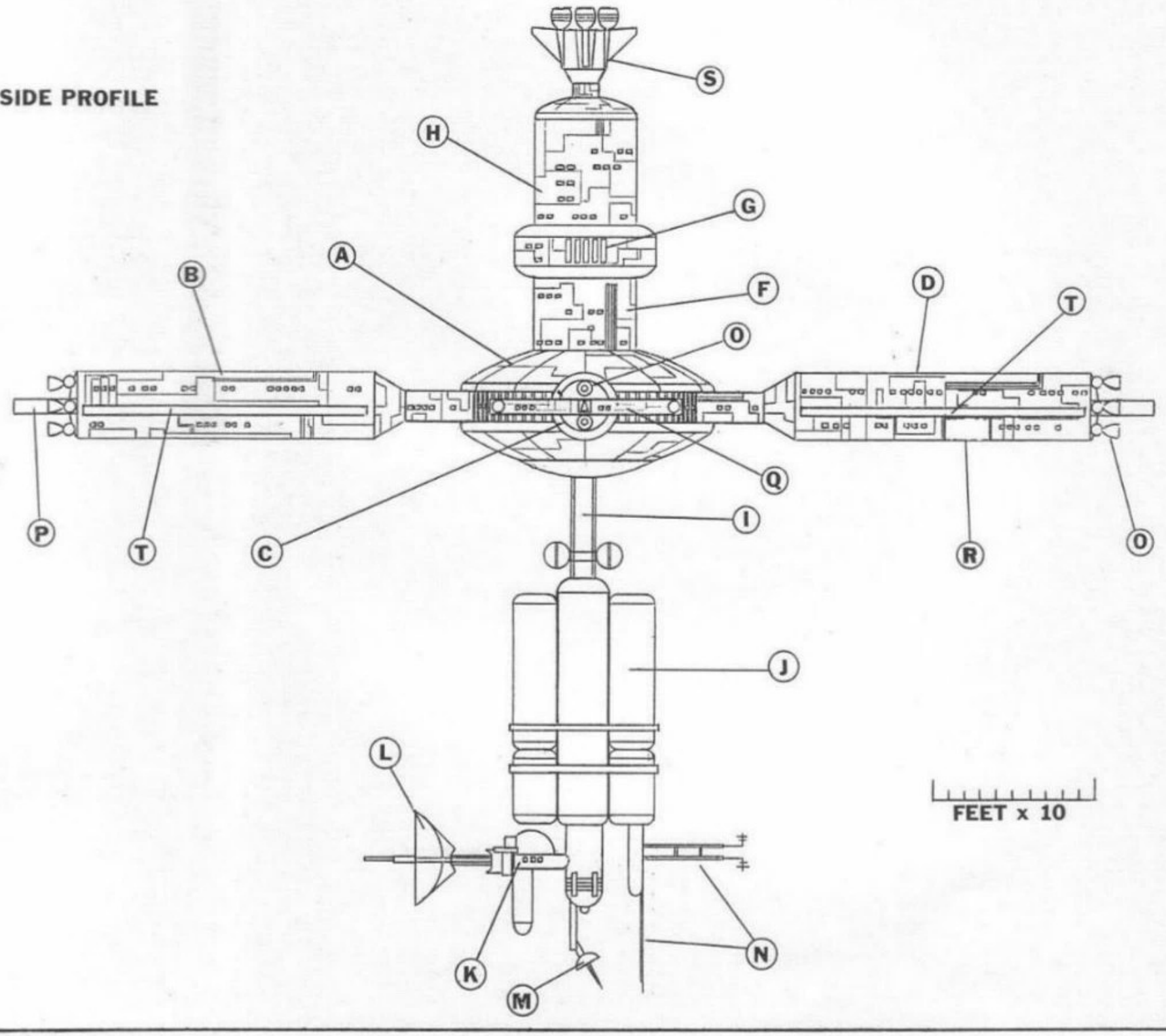
Key

(A) TYPE B/C/E BOTTOM PLAN
(B) TYPE F BOTTOM PLAN
(C) POD SUPPORT LEGS
(D) LANDING ROCKETS (4)
(E) LANDING LIGHTS w/DOME COVERINGS
(F) SENSOR (TYPE B/C/E ONLY)
(G) NAVIGATION STROBES (?)
(H) RADAR

APHRODITE
VENUS RESEARCH STATION

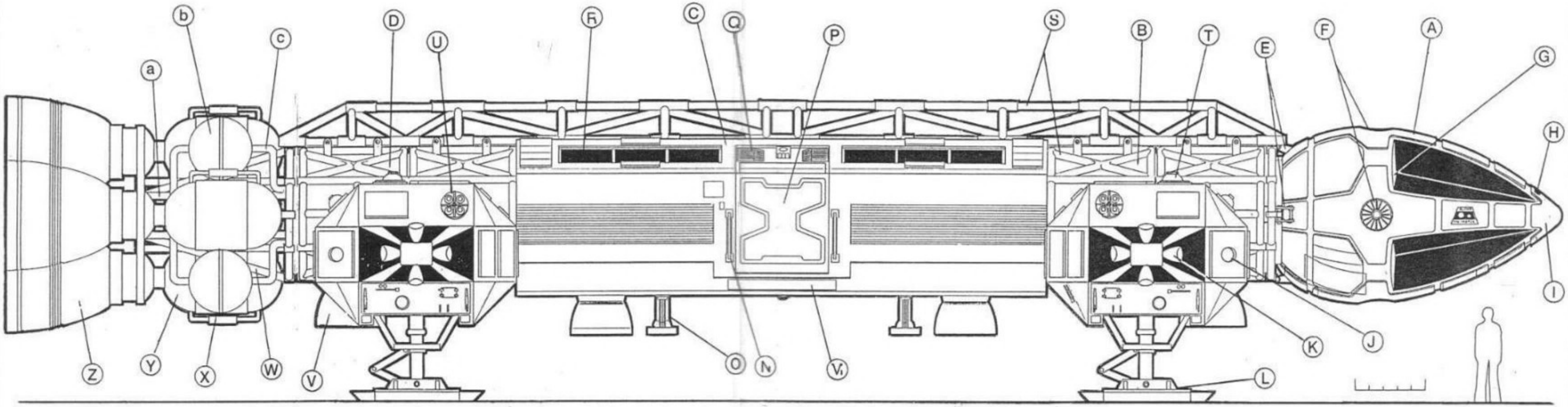
APHRODITE SPACESTATION PERSONNEL PATCH

SIDE PROFILE

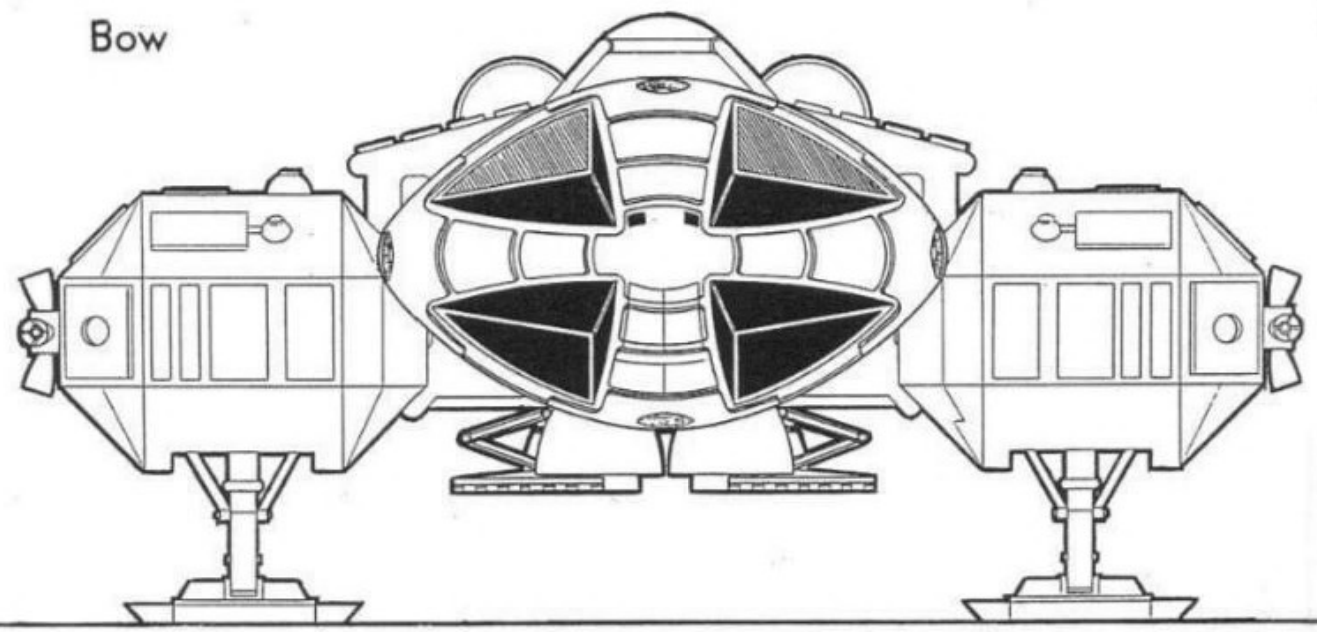


EAGLE

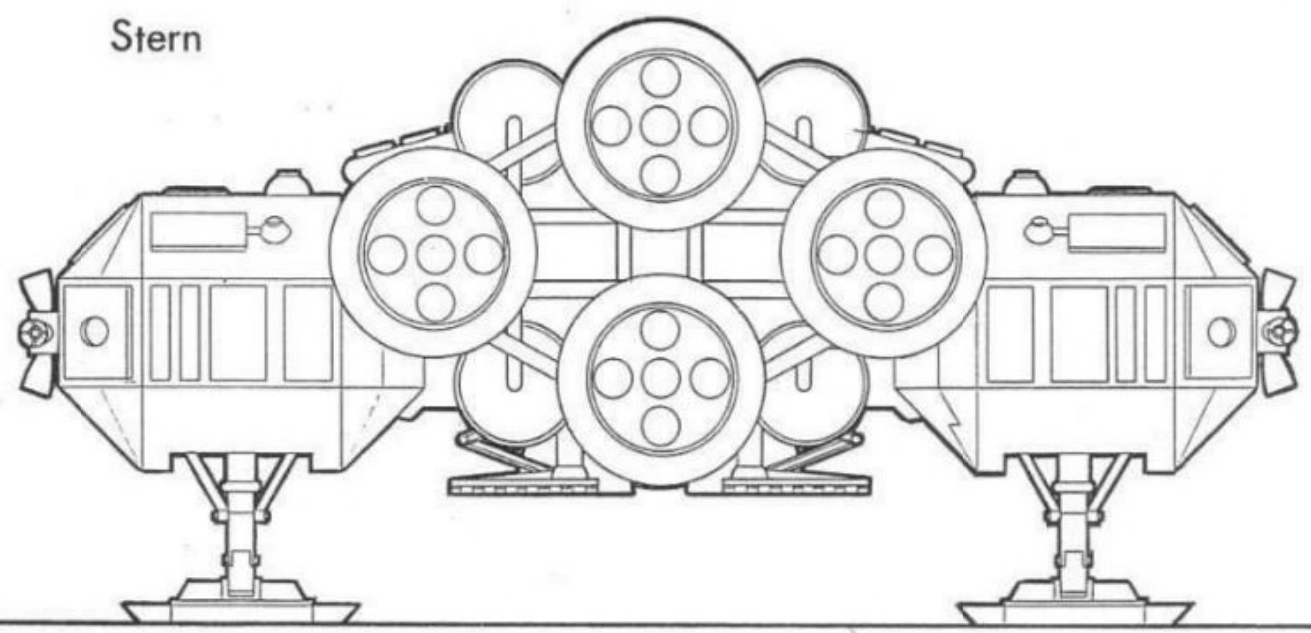
Starboard Profile



Bow



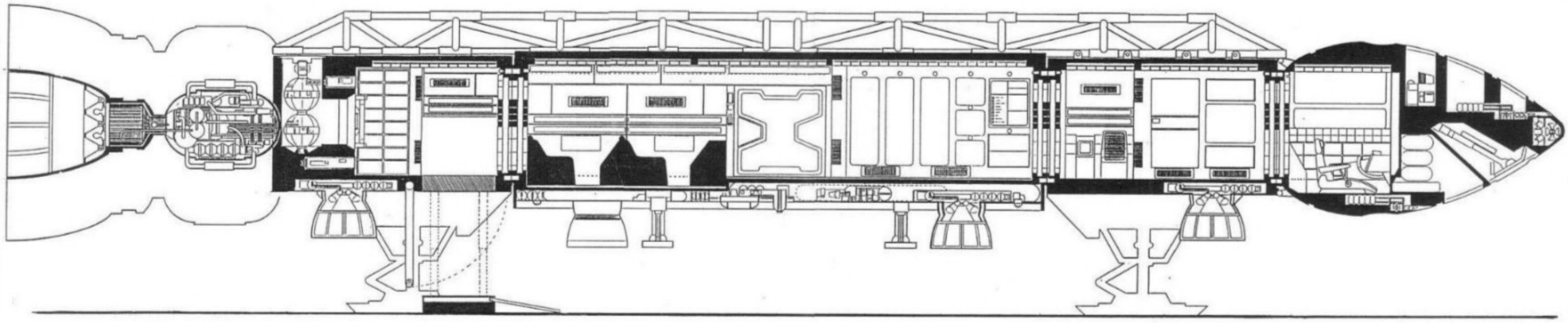
Stern



EAGLE

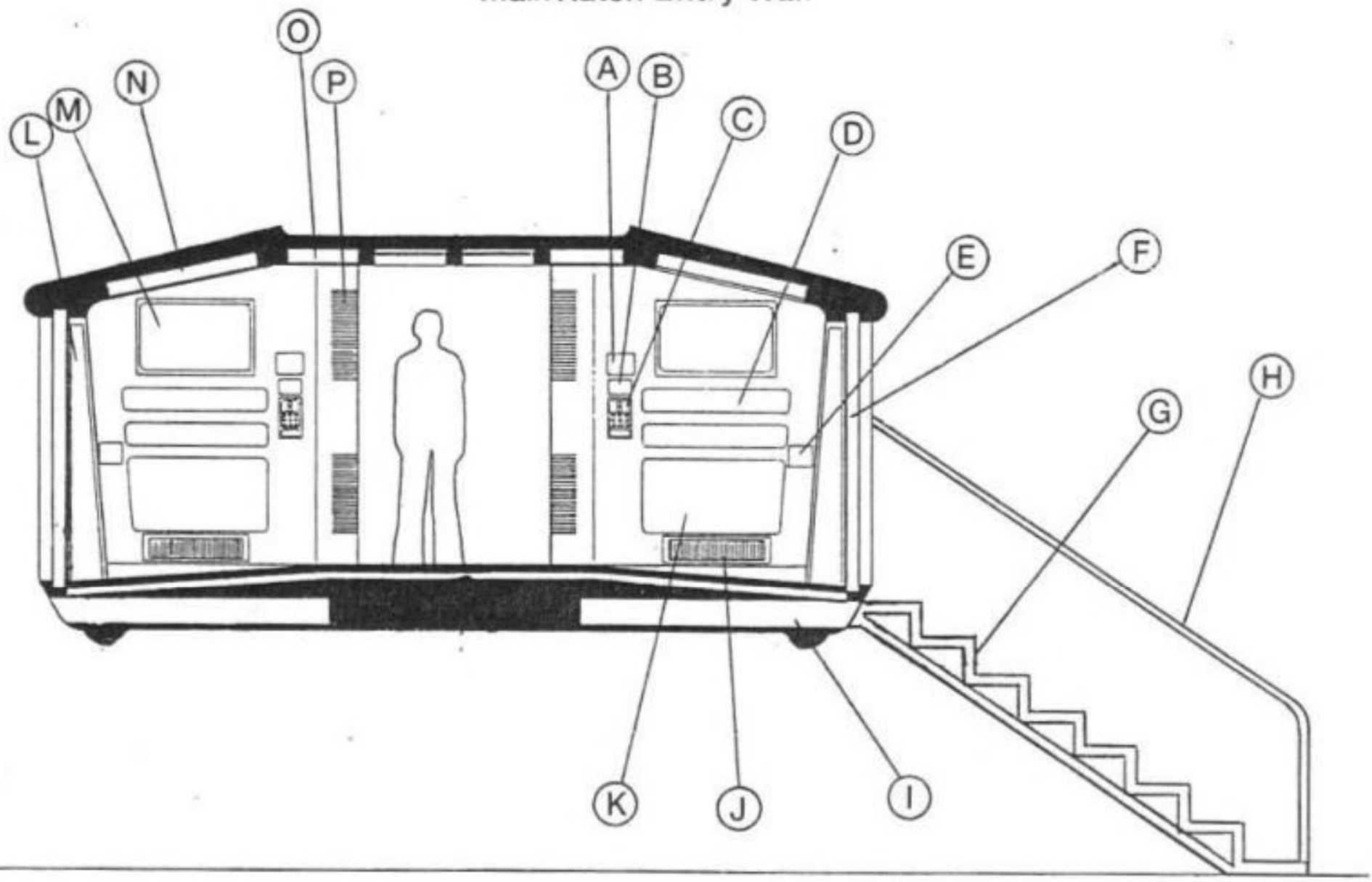
INTERIOR CROSS VIEW

Port Bulkhead

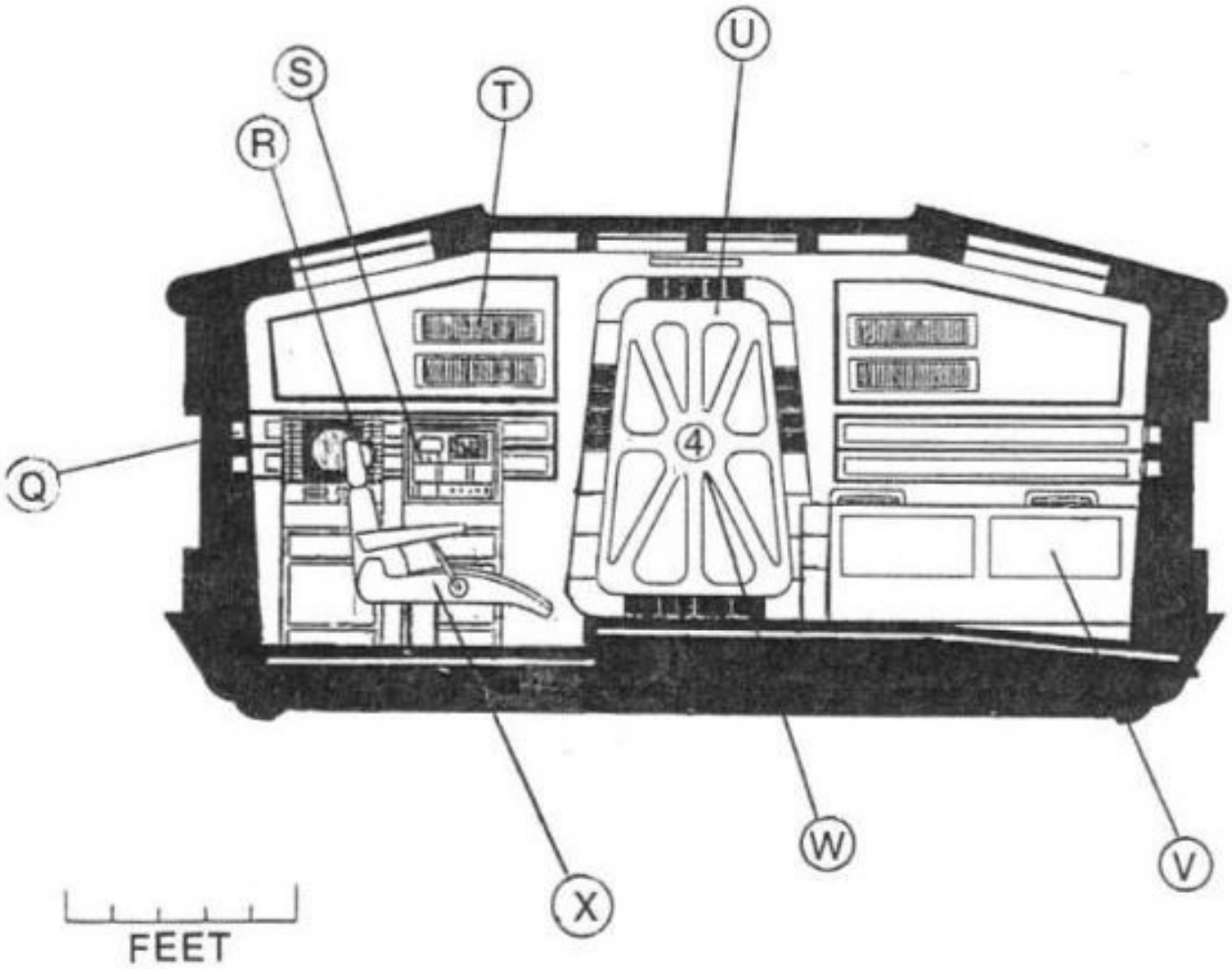


EAGLE TYPE C RESCUE

Main Hatch Entry Wall

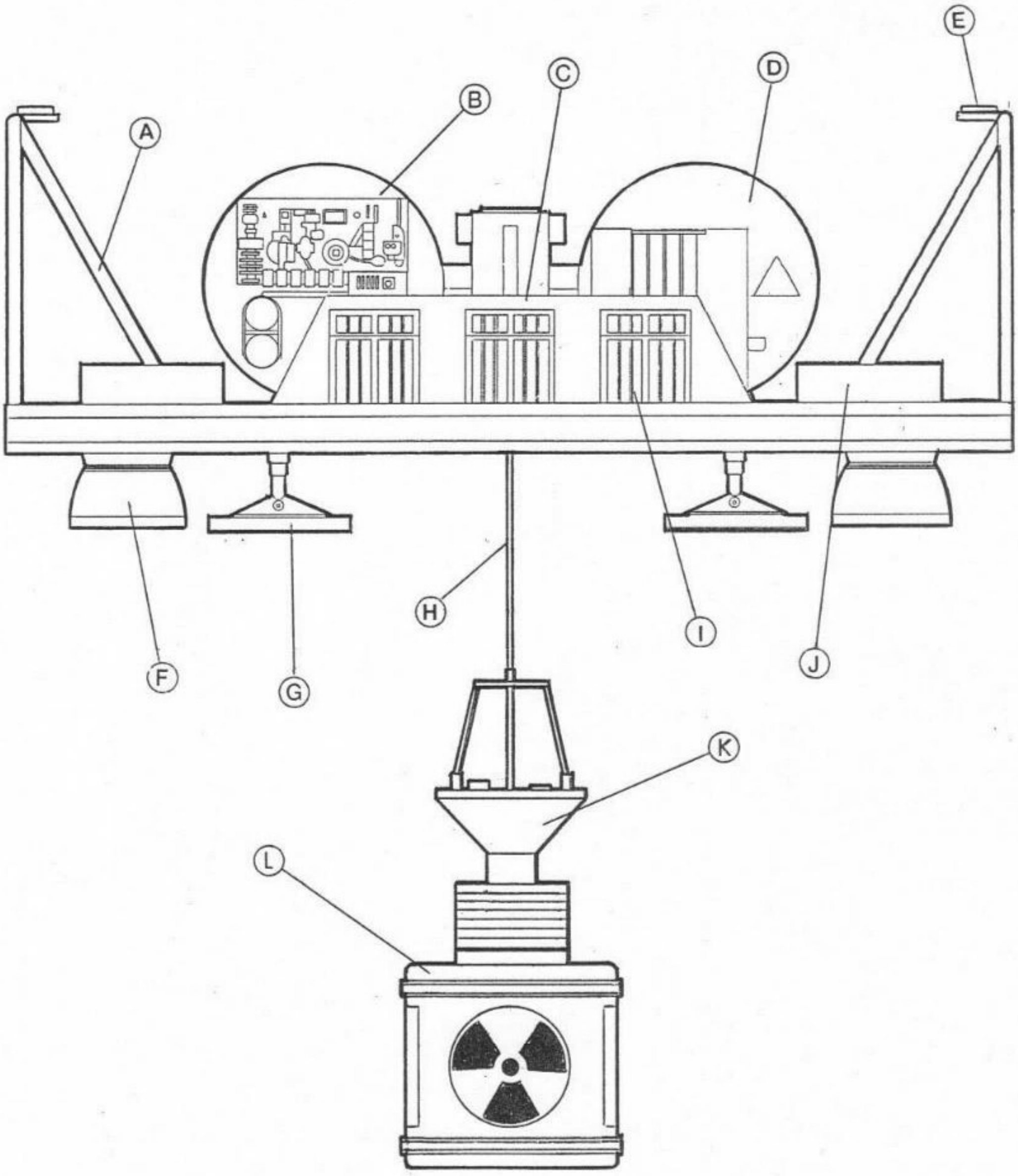


Aft Bulkhead

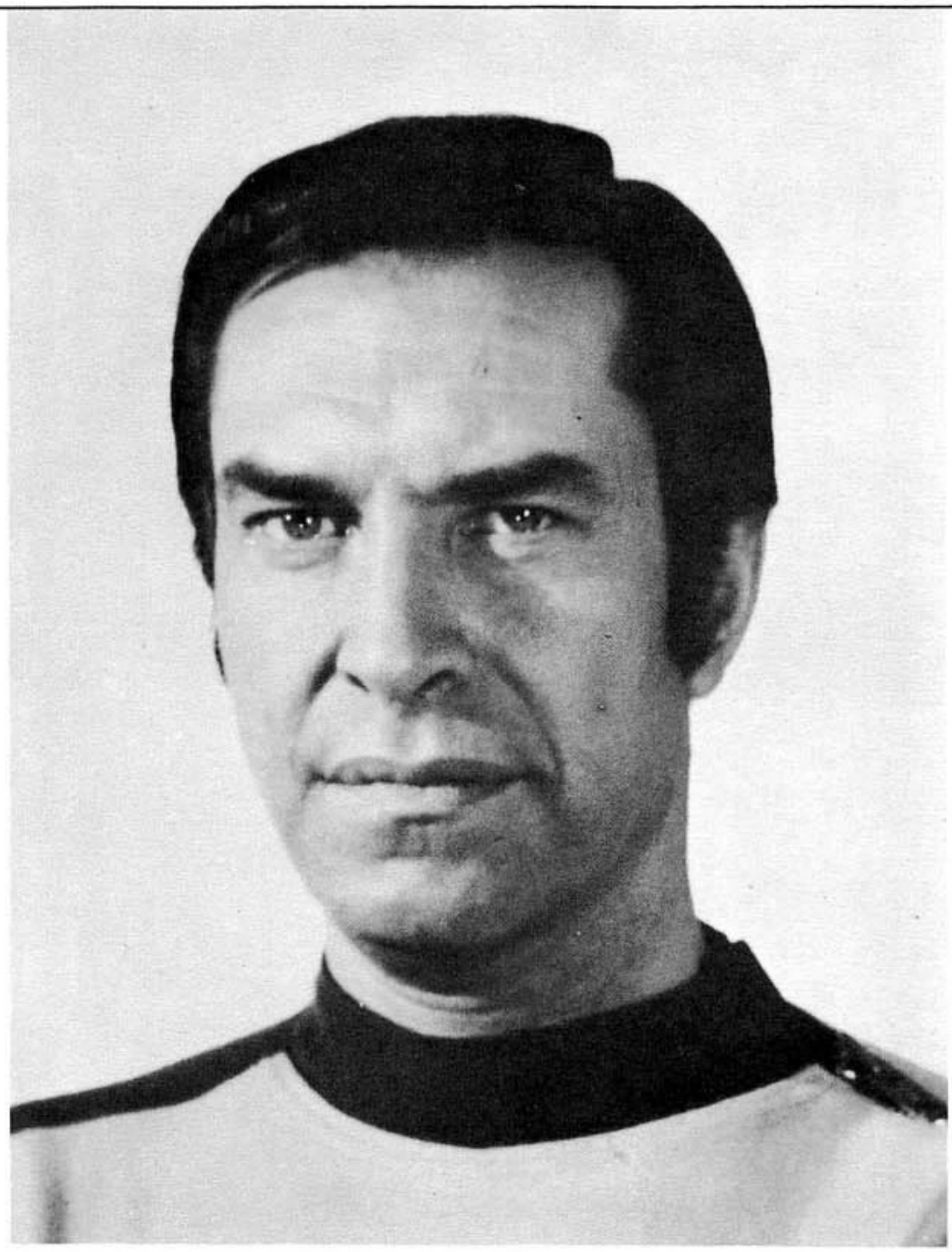


FEET

EAGLE TYPE G WINCH PLATFORM



PROFILES

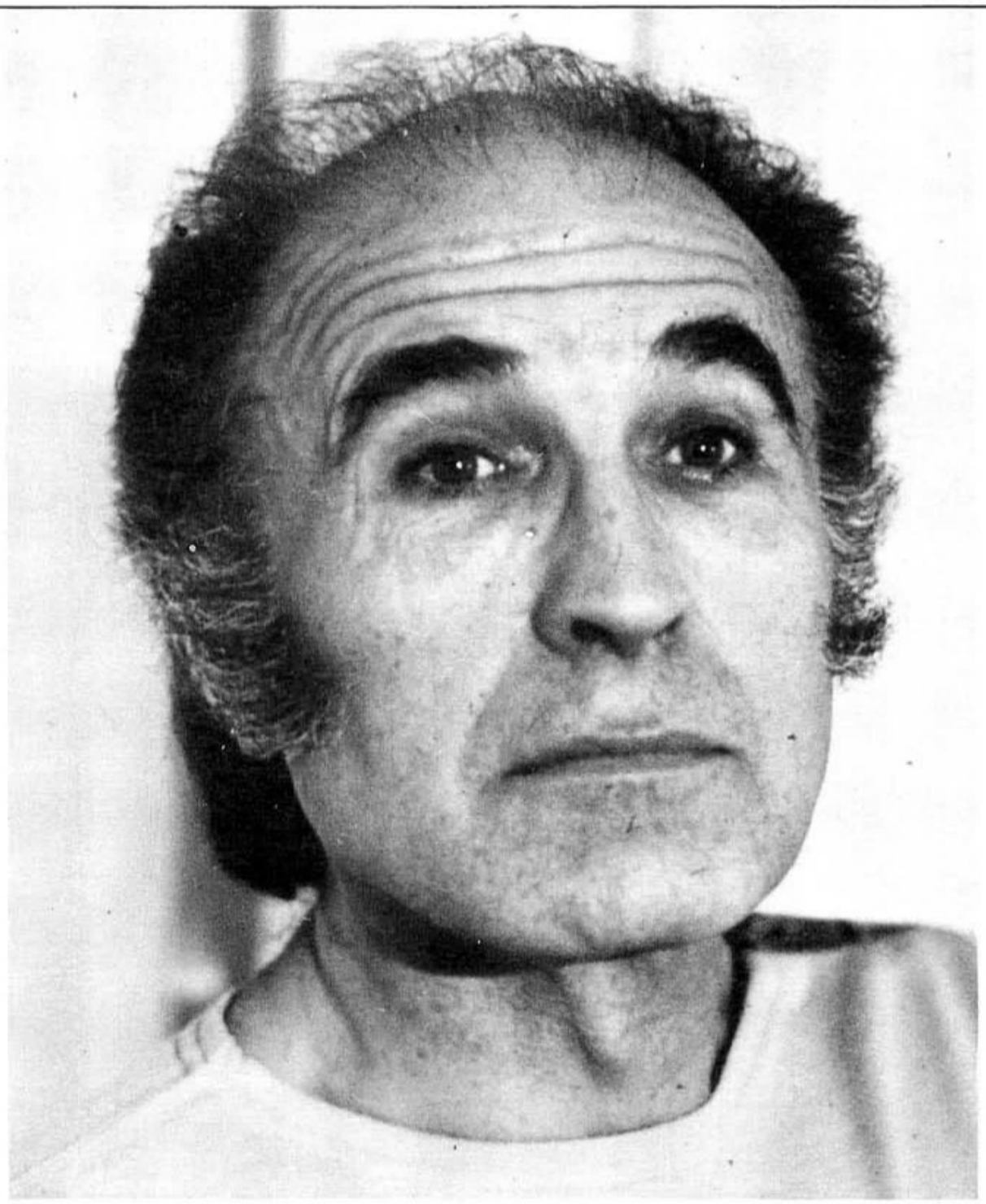


Name: KOENIG, JOHN ROBERT
Date of Birth: MARCH 17, 1957
Place of Birth: BROOKLYN, NEW YORK,U.S.A.
Assigned Alpha: SEPTEMBER 9, 1999 (FIRST TOUR OF DUTY)
Job Assignment: COMMANDER

One of America's leading astrophysicist's, John Koenig has been responsible for the planning, ground control and execution of many successful space missions. Asked to help on the design of Moonbase Alpha, he was gradually drawn into the position of Commander. Koenig has an unmatched flair for leadership, sharing his concern for the scientific aspects of a job with consideration for the safety and well-being of those working beside him. John Koenig has a highly efficient, computer-like mind and, apparently, nerves of steel. He also has the ability to observe a situation from every possible angle, sometimes causing an emotional strain that is apt to make him short-tempered, and moody. Yet despite, or perhaps because of these qualities, the men and women of the runaway Moon look to him for guidance in their times of need. He had been married, but his wife was killed in the thermonuclear war. Koenig's interest in the space program goes back to the 1960's when, as a schoolboy, he watched Neil Armstrong set foot on the Moon and imagined that it was his "giant step." He may have grown up in the space age, but one suspects he is not too happy with the state of humanity as it nears the 21st century. He is perhaps best described as a man with one foot in the past and one about to set down in the future.

Name: RUSSELL, HELENA SUSAN
Date of Birth: AUGUST 5,1960
Place of Birth: CHICAGO, ILLINOIS, U.S.A.
Assigned Alpha: FEBRUARY 23, 1999 (FIRST TOUR OF DUTY)
Job Assignment: CHIEF MEDICAL OFFICER

A physician's daughter, Helena Russell entered medical school shortly after her father's death. Following in his medical footsteps, she became one of the top experts in her chosen field of space medicine. Helena worked for the Space Commission where she met and later married astronaut Lee Russell. The marriage ended abruptly when he disappeared on a space mission. She retreated into the routine and security of her job until she developed a strong attachment for Commander John Koenig. Since joining the Space Service in 1992, Dr. Russell has won many awards for her achievements in space medicine. When the space dock and Moonbase Alpha were constructed, duty periods were generally one-to-two months. The sterile atmosphere was found to cause restlessness and tension among the Alpha personnel. Efficiency suffered. Under Dr. Russell's guidance, many of the recreation rooms were transformed into exotic gardens with lush, tropical plants. This Earth-like atmosphere helped reduce tensions and boosted morale and production significantly. Dr. Russell was given the Donnelmyer Award for her work and was later assigned to the Moonbase as Medical Officer.

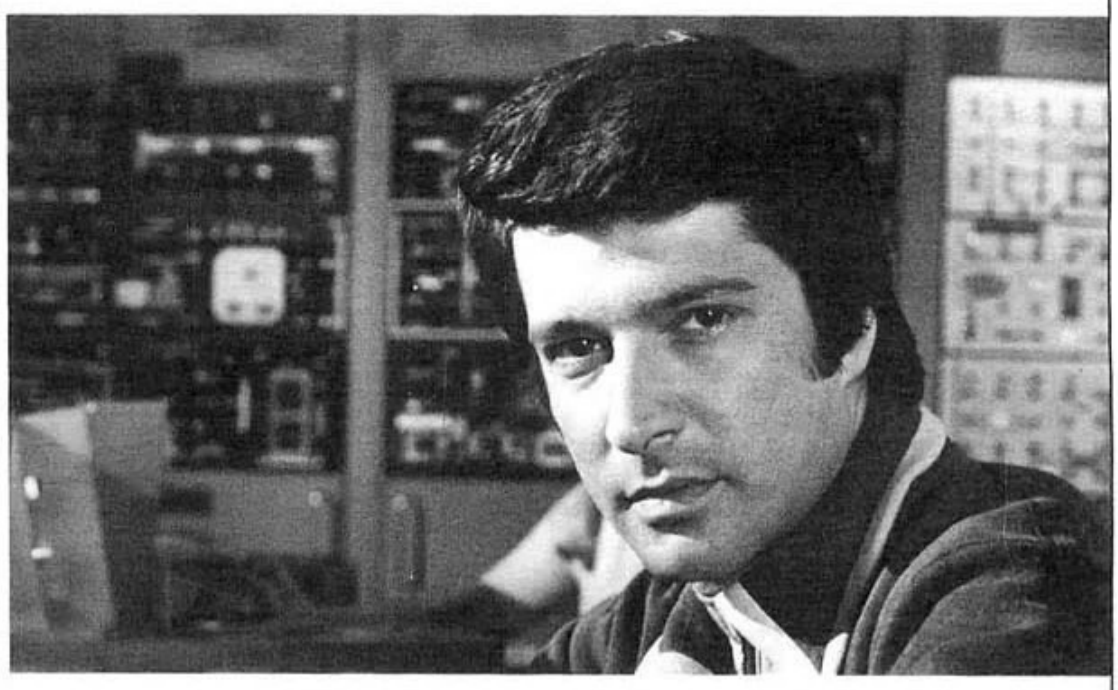


Name: BERGMAN, VICTOR
Date of Birth: JUNE 27, 1940
Place of Birth: LONDON, ENGLAND
Job Assignment: PROFESSOR OF TECHNOLOGY,
INTERNATIONAL SPACE ACADEMY,
VISITING ALPHA FOR STUDY

Professor Bergman is, to a great degree, the father of Moonbase Alpha, having contributed more to the base's construction than anyone else. He is also a father figure for many of the base's key personnel. As a young man he was deeply involved in early space exploration efforts, however he can still remember when a visit to the Moon was considered to be only a figment of Jules Verne's imagination. To some extent, he is very much the proverbial professor. He has a brilliant mind and has been responsible for many advances in space science, but he is naive in many practical matters. In some ways, he reminds one of a 19th century scientist rather than a man of the late 20th century, though physically he is more a part of the new era than he appears. He is something of a philosopher and very much a humanist. Bergman is unusual in one respect. An early illness led to his having a mechanical heart replacement. Because it responds more slowly to nervous stimuli than a normal heart does, it reduces his reactions to most emotional stresses. Whatever the situation, he is physically immune from panic. There is one drawback-a ruthless or desperate person might be able to interfere with his mechanical heart and upset his finely-tuned metabolism.

Name: MAYA
Date of Birth: 3rd DAY OF TAYAD, 6752 PSYCHON YEARS
Place of Birth: MANOS PROVINCE, PLANET PSYCHON
Assigned Alpha: 347 DAYS SINCE LEAVING ORBIT
Job Assignment: SCIENCE OFFICER

Maya joined the Alphans when her homeworld was destroyed. She is an enchanting, sensuous female about 26 Earth-years old. Maya has the amazing talent of molecular transformation. With just a thought, she can become anything organic for an hour. She must then transform back to her original self before another change, but she does have the ability tc transfer directly from one form to another. She has yet to master this technique on a voluntary basis however, and can only perform such a feat under emotional panic. Her brain is quicker than Alpha's computer thanks to an education in Psychon's advanced mathematics. Maya has a pixie's sense of humor and seems to be most comfortable when she's near Tony Verdeschi.

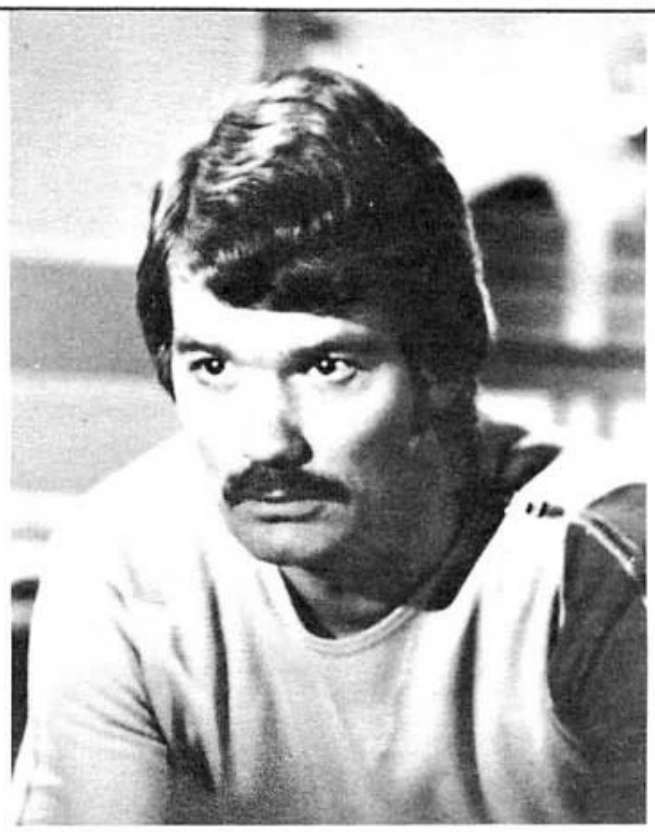


Name: VERDESCHI, ANTHONY DEAN
Date of Birth: NOVEMBER 9, 1966
Place of Birth: FLORENCE, ITALY
Assigned Alpha: AUGUST 27, 1999 (SECOND TOUR OF DUTY)
Job Assignment: CHIEF OF SECURITY

Tony Verdeschi graduated from the University of Rome in 1990 and went on to earn his PHD at MIT in 1993. He entered the Space Service in 1994 as an Astronaut Cadet and later became part of Alpha's security team. He is irreverent, quick-witted and sharp-tongued, but never insubordinate. He has a deep respect for John Koenig. Although Chief of Security,a position which makes him responsible for the protection of the Moonbase, he is not the typical, gung-ho, by-the-book officer he sometimes appears to be. He is open to any change that will benefit the Alphan community. Besides being an expert fencer, his most unusual hobby is being Alpha's only resident brewmaster.

Name: CARTER, ALAN
Date of Birth: DECEMBER 19,1966
Place of Birth: NEW SOUTH WALES, AUSTRALIA
Assigned Alpha: JUNE 14, 1999 (FOURTH TOUR OF DUTY)
Job Assignment: CHIEF OF RECONNAISSANCE

Alan is the only person on Alpha to have actually seen the nuclear explosions which ripped the Moon from its orbit and hurled it into deep space. He had been assigned to head the construction of the Meta Probe in lunar orbit when the disaster occurred. After he witnessed the shattering cataclysm, even though he could have returned to Earth, he decided his loyalty was to the people on Alpha. This decision and Alan's reaction show only a small part of his ability and integrity. Having grown up on a cattle ranch in Australia, his major talent was horsemanship but his fondest dream and greatest love was flying. As a teenager he flew his family's private plane. As a young man he joined the Australian Air Force. As an adult he became an Astronaut in the U.S./Australian Space Co-operation Program (1994). Three years later he was the third man to go to Mars and a year after that crewed on a flight to Venus's largest moon. In January, 1999, Alan became a member of Moonbase Alpha, having successfully tested the Eagle Transport and Mark IX Hawk. All had not been easy however. His professional achievements are all the more impressive considering his personal tragedy. A Eurasian girl with whom he had fallen deeply in love while stationed in Bali was murdered by terrorists. This terrible reality Alan will never forget, but it will never stop him either. His talents as a pilot and athlete are always in demand. He is one of Alpha's most valued residents.

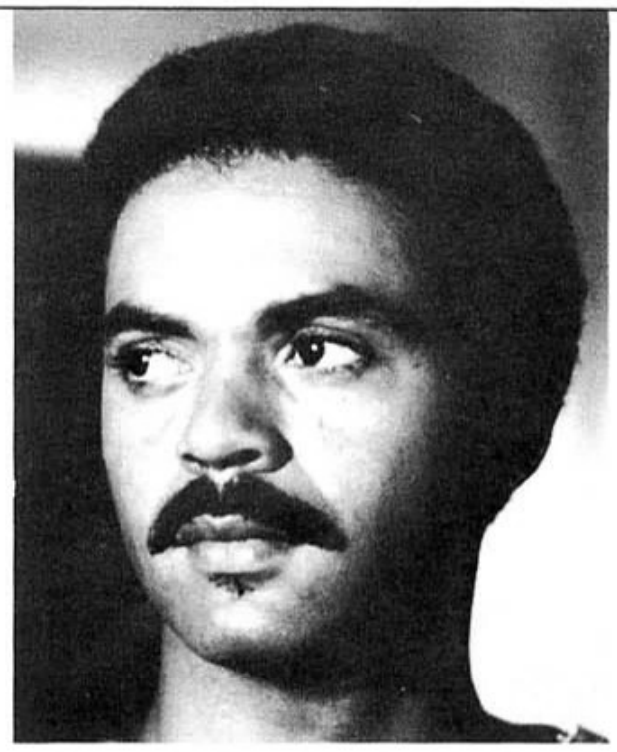


Name: MORROW, PAUL MICHAEL
Date of Birth: OCTOBER 29, 1970
Place of Birth: LONDON, ENGLAND
Assigned Alpha: APRIL 6,1999 (SECOND TOUR OF DUTY)
Job Assignment: CONTROLLER, MAIN MISSION

Paul Morrow began his career as a Astronaut Cadet in the European Space Exploration Program. His self-confidence and ability to command made him a capable leader on many lunar exploratory missions. He jumped at the chance to partake in the construction of Moonbase Alpha, stimulated by the danger and excitment inherent in the job. The position of Main Mission Controller was his toughest assignment. Quickly proving his worth, Morrow became the Commander's right-hand man. It is his responsibility to oversee the smooth operation of the base. Commander Koenig has at many times felt that Morrow is a younger reflection of himself.

Name: BENES, SANDRA
Date of Birth: MAY 3, 1973
Place of Birth: BRUNEI, BORNEO
Assigned Alpha: MARCH 4,1999 (FIRST TOUR OF DUTY)
Job Assignment: COORDINATOR OF DATA SECTION

Sandra is a petite and slender 5' 2", dark-eyed brunette. Coming from a multi-national background (her father is an Englishman of Hungarian descent and her mother is Burmese), she encountered, as a child, many different languages as her family moved from place to place. Perhaps this is where her interest in communications was born, but her interest in electronics stems from the years she spent as a child working in the lab of her father, Professor Lawrence Benes. Prof. Benes developed the Intersteller Transmitter, a powerful broadcasting device vital for deep space communications. Knowing more about the unit than anyone besides her father, Sandra was a natural choice for the Data Section of Moonbase Alpha. Her expertise and skills allowed her to be quickly promoted to the position of Data Section Coordinator.



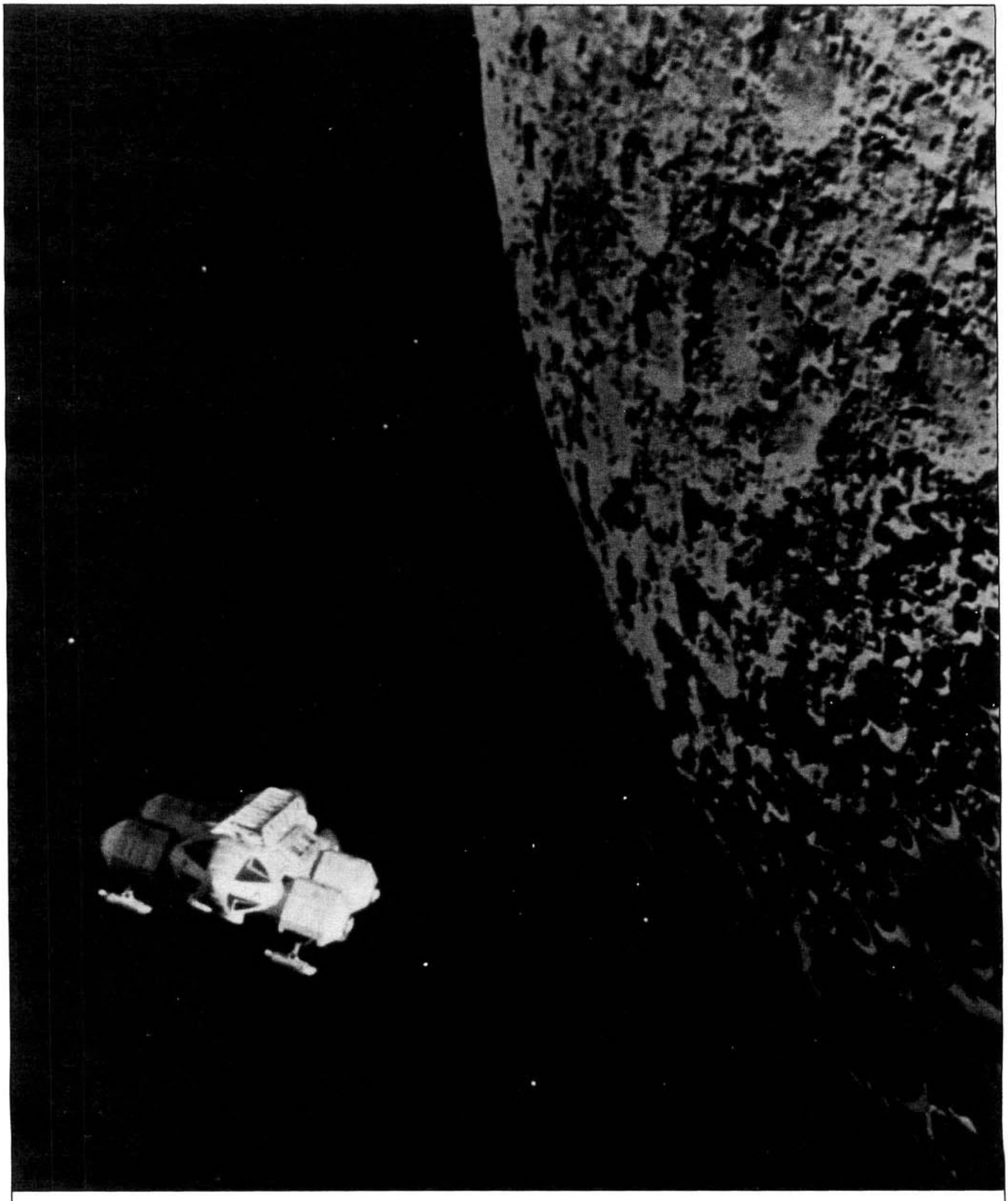
Name: MATHIAS, ROBERT BRIAN
Date of Birth: AUGUST 5, 1963
Place of Birth: KINGSTON, JAMAICA
Assigned Alpha: JULY 5,1999 (THIRD TOUR OF DUTY)
Job Assignment: ASSISTANT MEDICAL OFFICER

Bob was born, raised, and began his preliminary education in New York. Later, when his career decision became definite, he moved to London for the best training possible. That decision was to learn the science of psychiatry. So while Helena Russell looks after the physical well-being of Alpha residents, Mathias looks after the mental and emotional aspects. He leaves the surgery to Helena and she leaves the soul-searching to him. Another of Bob's talents that comes in handy during the long Alphan nights is his expertise at chess. An avid player, he holds seemingly endless bouts with Moonbase's other resident expert, David Kano. Although he was well liked in his medical position, Bob thought it best to transfer to the Data Section so he could better study man's stress factors in deep space. He was replaced in the Medical Center by Dr. Ben Vincent.

Name: KANO, DAVID
Date of Birth: JANUARY 29, 1965
Place of Birth: KINGSTON, JAMAICA
Assigned Alpha: MAY 1,1999 (TENTH TOUR OF DUTY)
Job Assignment: HEAD OF TECHNICAL SECTION

David is a most remarkable individual who almost never fails to amaze his fellow Alphans. His expertise and rapport with computers is uncanny. This ability is the sum total of several decades of experience dating from the years he spent watching his computer-expert father. The operation and maintenance of huge multi-operational machines became almost natural from that point on. His life-long dedication to the science took hold after he survived an experiment to link a man's brain with a computer. Two men became vegetables- their minds wiped clean. David Kano managed to leave the experience with a heightened sensitivity to these "mechanical brains." Occassionally he's seen talking to the female-voiced Moonbase master computer as if it were a living woman, but what seems to be a wildly unnatural affection between man and machine is actually a well-earned feeling of respect.

Series 7000



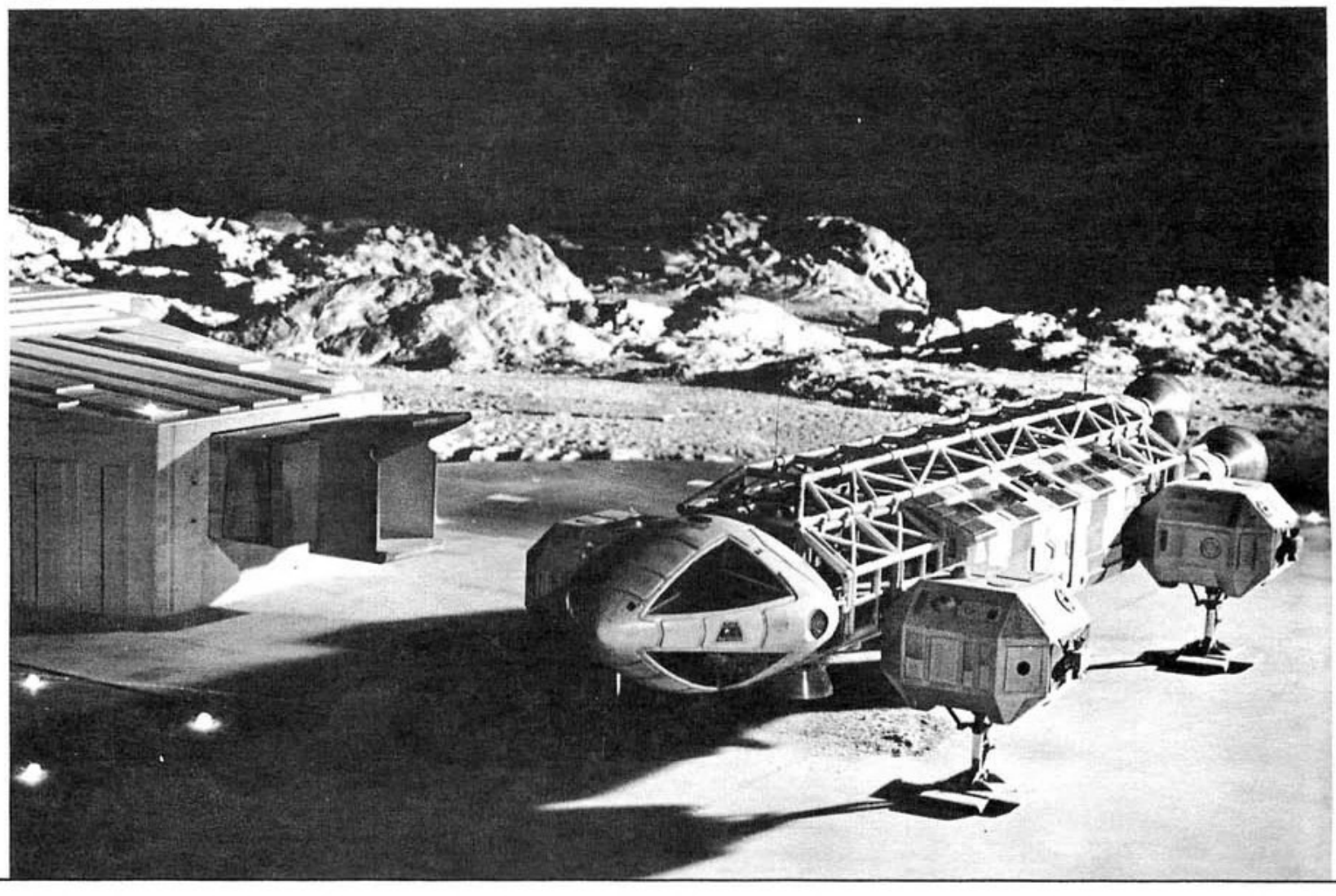
TIME LINE

MAJOR HISTORIC EVENTS 1981-1999

Jan. 28, 1981	Anton Borkaff walks on the planet Mars.
July 2, 1981	Under the guidance of the newly-formed International Lunar Finance Commission, the space dock Centuri is put under construction between the Earth and the Moon.
Sept. 18, 1981	Space Shuttle Falcon, designed to service the space dock, unveiled at the Vostaach Space Centre.
June 19, 1982	Centuri completed.
Sept. 25, 1982	ILFC authorizes the construction of Moonbase Alpha.
Feb. 3, 1983	Construction on Moonbase begins in Crater Plato.
Nov. 9, 1984	Ernst Queller develops the fast-neutron drive. Robert and Eileen Haines, parents of Alpha Technician Jim Haines, die as a result of a faulty Queller Drive in a Voyager craft.
Oct. 7, 1986	Uranus Probe, commanded by Jack Tanner and Cabot Rowland, launched from Centuri.
May 21, 1987	World conflicts continue to build, a third world war seems inevitable.
June 9, 1987	Armed forces are mobilized throughout the world.
June 30, 1987	Switzerland destroyed by nuclear device of unknown origin. Koenig's wife Jean, on vacation there, is killed by the explosion.
July 1, 1987	World peace conference called. For the first time during the nuclear age, the world now realizes the power of their thermonuclear weapons.
July 28, 1987	Under the agreements of the peace conference, all nuclear weapons are broken down and their nuclear material is buried on the far side of the Moon in a site designated as Nuclear Waste Disposal Area One.
Dec. 10, 1987	Uranus Probe vanishes in proton storm five days from orbit.
Mar. 25, 1989	Robert Addison lands on Venus. Surface exploration halted due to atmospheric conditions.

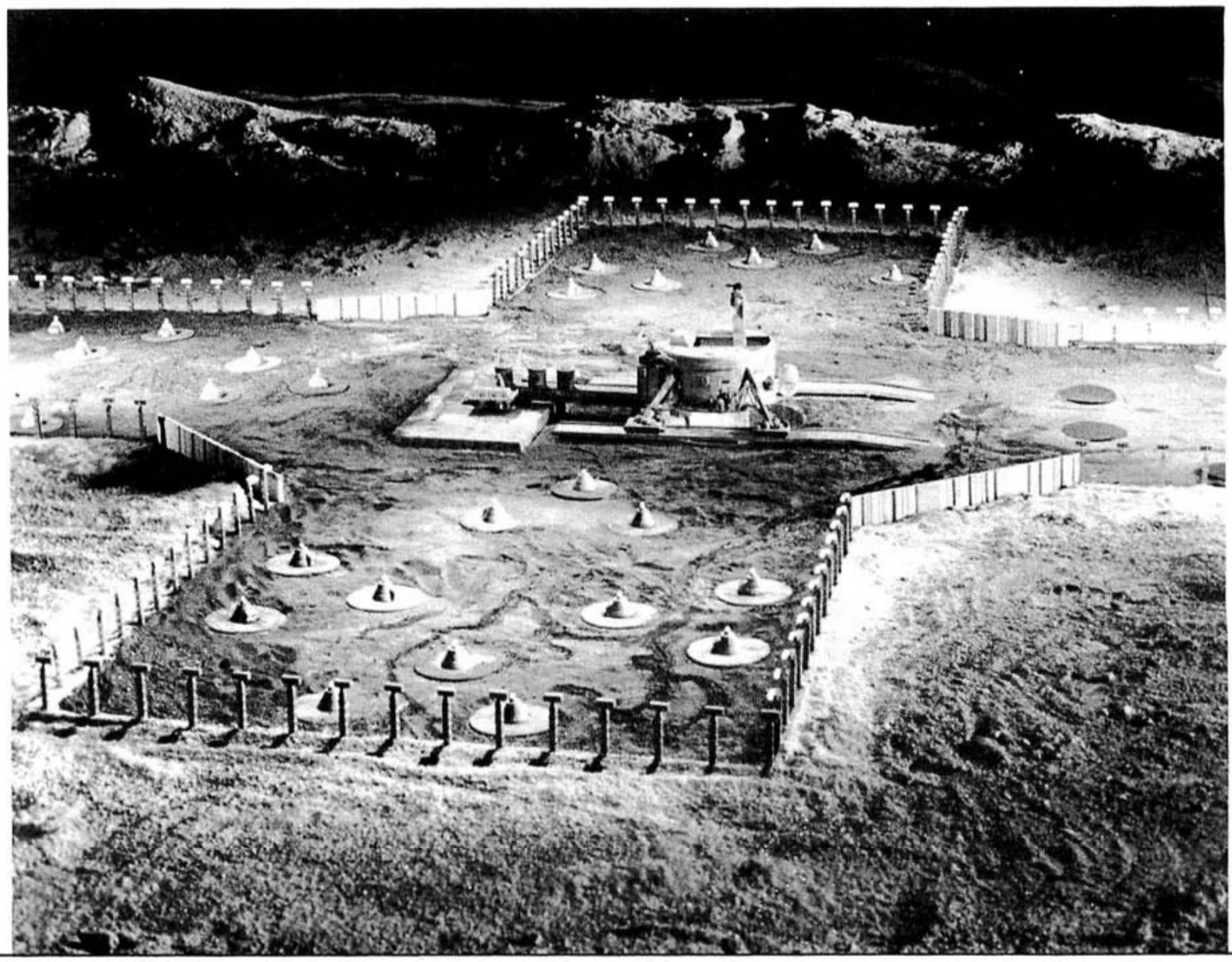
May 8, 1992	External construction on Moonbase Alpha completed. Launch Pad #1 and Space Exploration Division put into full operation. Aboveground area supports 100 people as underground work continues.
June 2, 1992	Eagle Transporter replaces Falcon shuttle.
May 15, 1994	Waste Area 1 shutdown as the larger Waste Area 2 is put into operation.
June 23, 1994	Prof. Victor Bergman discovers the planet Ultra.
July 10, 1995	Astro 7, under the command of Lee Russell, is launched toward Jupiter
Jan. 15, 1996	Astro 7 lost in Jupiter orbit.
Mar. 30, 1996	Captain Michael leads a mission to investigate a nearby star with a mothership and the new Swift support craft. Crew is never heard from again.
May 22, 1996	Gerald Trapnell of the ILFC attempts to stop the launch of the Ultra Probe mission based on the loss of the previous three star missions. William J. Dixon, current head of the ILFC, decides to go ahead with the mission.
June 6, 1996	Tony Cellini commands the Ultra Probe mission.
Sept. 8, 1996	Mark Nine Hawk defense craft tested in mock battle with Eagle Transporter over lunar surface.

Rescue Eagle One.



Feb. 17, 1997	Moonbase Alpha becomes fully operational.
Feb. 19, 1997	Planet Ultra reached. Contact is lost with Probe ship.
Oct. 15, 1997	Lunar observatory spots Ultra Probe command module.
Oct. 16, 1997	Tony Cellini placed under mental care because he claims a monster killed his crew.
Dec. 1, 1998	Planet Meta discovered. Space flight is prepared to find out why an earth-like planet so far from the Sun isn't completely frozen.
Jan. 3, 1999	Helena Russell becomes chief medical officer on Moonbase Alpha.
Aug. 7, 1999	First Meta Probe astronaut dies of a strange illness.
Sept. 9, 1999	Meta Probe jeopardized by 9 deaths. John R.Koenig takes command of Alpha.
Sept. 11, 1999	Flareup on the Moon at Waste Area 1.
Sept. 13, 1999	A massive series of thermonuclear explosions hurl the Moon out of Earth orbit, 90^{o} from the plane of the ecliptic.

Nuclear Waste Disposal Area Two.



HIGHLIGHTS OF THE JOURNEY
OF MOONBASE ALPHA

From the Records Division of the Alpha Data Section-3047 days since leaving Earth orbit.

September 13, 1999	Massive thermonuclear explosion rips the Moon from Earth orbit.

Days Since Leaving Earth Orbit	
6	Jack Crawford dies from reactor malfunction. Survived by wife Cynthia. She is 4 months pregnant.
21-24	Alpha encounters the planet Terra Nova.Helena Russell's husband Lee attempts to warn the Alphans away from the anti-matter planet.
30-31	Alpha is drawn into a black sun.
43-45	A space probe from the planet Triton attempts to destroy the Moon while on its way to destroy the Earth.
54-59	Caldorian spacecraft crash lands on the Moon. While the Alphans help to repair the sleepership, Commissioner Simmonds plots to force his way aboard.
64-70	A rift in the fabric of space hurls the Moon into another time dimension where the Alphans encounter their future selves.
77-78	Commander Koenig's soul is kidnapped by Raan of the planet Zenno.
90-95	The Guardian of Piri lures the Alphans toward a living death.
116-118	Anton Zoref is possessed by an energy-consuming life form.
122-128	Jackie Crawford is born. Both young Jackie (who suddenly develops into a five-year old) and his mother are transformed into two aliens who plan to hide their outlaw group within the bodies of the Alphans.
140-147	Natives of the planet Ariel send a fleet of space probes to Alpha. The probes create Earth-like conditions on the lunar surface.
153-155	Alpha encounters the malfunctioning Voyager space probe.
162-164	Alpha on a collision course with the giant planet Astheria.
179-184	The Alphans meet the survivors of the Uranus probe.

205-209	The mist of a strange planet regresses the Alphans to cavemen.
215-217	Balor attacks Alpha.
239-240	A mysterious alien world appears to devastate Alpha.
257-260	Alpha becomes a pawn in a war between two planets.
272-274	Gwent lands on the Moon in search of a new companion.
279-281	Alpha collides with a space brain.
288-292	The Alphans attempt to help the Darians in their giant spaceark.
295-296	Tony Cellini battles a former enemy in a spaceship graveyard.
300-303	Alpha is stopped dead in space near the planet Arkadia.
307	Paul Morrow and David Kano die when a booster on their Eagle fails and they crash on the pad.
328	Victor Bergman dies when his space suit malfunctions while installing the new laser defense ring.
336	Command Center becomes fully operational as Main Mission is closed down for safety reasons.
342-347	Maya joins the Alphans when her home world of Psychon is destroyed.
380-388	Cantor and Zova use Alpha's life support system to return themselves to their home planet.
400-401	Androids on the planet Vega use Tony and Helena as models for the expression of violent emotions.
429-433	An attempt is made at teleportation between Alpha and Texas City, Earth. Alan, Koenig, and Helena are transported to Scotland in 1339 A.D.
496-499	Patrick Osgood envisions a fiery death for Alpha.
508-510	A mirror-image of Koenig attempts to release the power of Kalthon.
565-567	An Alphan landing party is menaced by a race of rock creatures.
587-603	The space trader Taybor visits the runaway Moon in an attempt to add Maya to his collection.
640-646	Two Archanons are discovered beneath Alpha.

892-894	Koenig and Maya face the rulers of the planet Luton.
928-934	Alpha is effected by the Lambda Factor.
967-971	A space magician tries to use the Alphans for experiments on his new Eden.
1032-1033	Maya attempts to return to Psychon as Koenig and Tony try to follow Alpha through a space warp.
1150-1151	Brian the Brain kidnaps Helena and John.
1288-1290	Alpha encounters the world of the crysalis sleepers.
1503-1505	Creatures from the Beta Cloud send an automaton to steal Alpha's life support core.
1702-1711	Shermeen Williams is lured into helping Vindrus bring his people to Alpha from their anti-matter world.
1912-1918	The Bringers of Wonder attempt to detonate the nuclear domes in order to tap the raw energy inside.
2009-2010	Maya battles the evil Dorzak, another Psychon who has escaped the destruction of their race.
2012-2017	Sandor tries to stop Koenig's attempt to save Alpha from a deadly planet.
2306-2307	Koenig fights for his life on a planet's orbiting penal colony.
2310-2315	Koenig attempts to contact a life form that is killing the Alphans as they investigate a planet that could become their new home...or tomb.
2409-2416	The Dorcons attempt to kidnap Maya.

Tony Verdschi and Maya.

Position of the moon when Moonbase Alpha receives a live video picture from a Mars satellite. Already out of the range of any existing spacecraft.

21 days from planet Meta (Terra Nova)
31 days from black hole in space which hurls the moon to another side of the universe and into uncharted space.

Course of runaway moon - 90° from plane of Ecliptic.

To Jupiter →

← To Sun

VENUS

Plane of Ecliptic
Imaginary line on which all of the planets rotate around the sun

EARTH

MOON

MARS

Thermonuclear explosion Sept.13,1999 at nuclear waste disposal area two.

Spacedock Centuri (See SPACEDOCK 4004) explodes from gravity disruptions as the moon hurls out of earth orbit. Meta probe is also lost.

Timeline - 7006

Data (Breakaway)

SPACE: 1999

FROM

ITC

TELEVISION

EPISODE GUIDE

SPACE: 1999
Year 1 (1974)

CAST

Commander Koenig	MARTIN LANDAU
Dr. Helena Russell	BARBARA BAIN
Prof. Victor Bergman	BARRY MORSE
Alan Carter	NICK TATE
Paul Morrow	PRENTIS HANCOCK
Sandra Benes	ZIENIA MERTON
David Kano	CLIFTON JONES
Robert Mathias	ANTON PHILLIPS
Tanya Alexander	SUZANNE ROQUETTE
Main Mission Operative	SARAH BULLEN

CREW

Executive Producer	GERRY ANDERSON
Producer	SYLVIA ANDERSON
Story Editors	GEORGE BELLACK, JOHNNY BYRNE
Music	BARRY GRAY
Music Associate	VIC ELMS
Moon City Uniform Designer	RUDI GERNREICH
Editor	DEREK CHAMBERS
Story Consultant	CHRISTOPHER PENFOLD
Casting	MIKE BARNS
Special Effects Creator	BRIAN JOHNSON
Special Effects Director	NICK ALLDER
Art Director	KEITH WILSON
Music Editor	MIKE WILLIS
Electronics	MIKE DOWNING
Continuity	GLADYS GOLDSMITH
Director of Photography	FRANK WATTS, ASC
Series Creators	GERRY and SYLVIA ANDERSON
Production Company	GROUP THREE
Studios	PINEWOOD (Live), and BRAY (Effects)

1. Breakaway

(Originally Titled "The Void Ahead")
Screenplay: GEORGE BELLAK
Director: LEE H. KATZIN

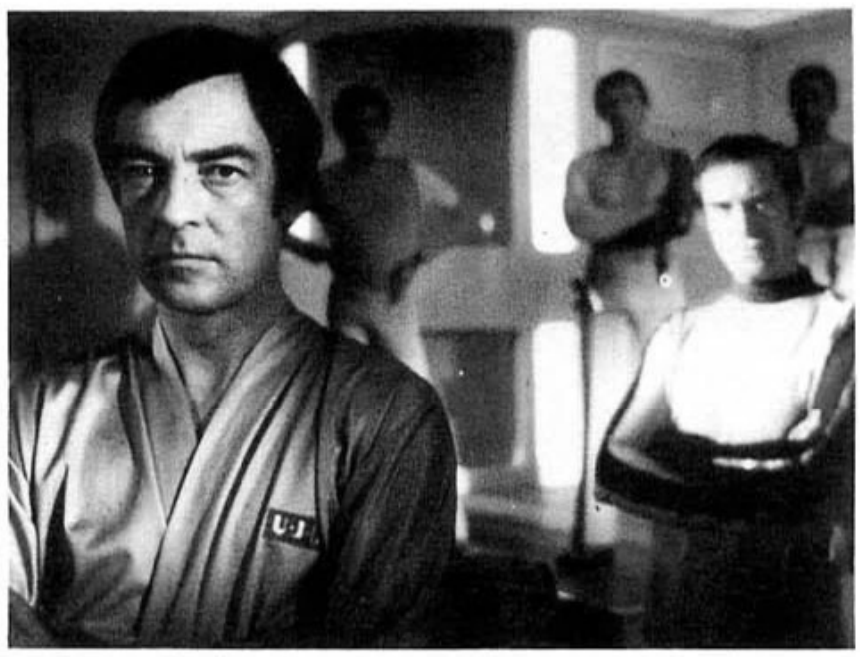
The effort to disperse the nuclear waste has failed. Waste Area 2 explodes into a fiery mass that lights up the space-sky over Moonbase Alpha.

September 9, 1999: Man's latest probe into space is threatened by a mysterious illness that has killed nine men and hospitalized two more. John Koenig arrives on Moonbase Alpha to discover the cause. Dr.Helena Russell informs him that it appears to be a form of brain damage with all indications pointing to radiation, but no radiation discharge can be found. The danger becomes more apparent when one of the two nuclear waste areas on the far side of the Moon explodes in a magnetic sub-surface firestorm. Magnetic radiation has been the cause of the deaths. Now, if the Alphans cannot spread out the nuclear material in the vast Area Two, the Moon may be vaporized at any moment!

Commissioner Simmonds: ROY DOTRICE
Commander Gorski: PHILLIP MADOC
Ben Ouma: LON SATTON
Eddie Collins: ERIC CARTE

2. Matter of Life and Death

Screenplay: ART WALLACE and JOHNNY BYRNE
Director: CHARLES CRICHTON



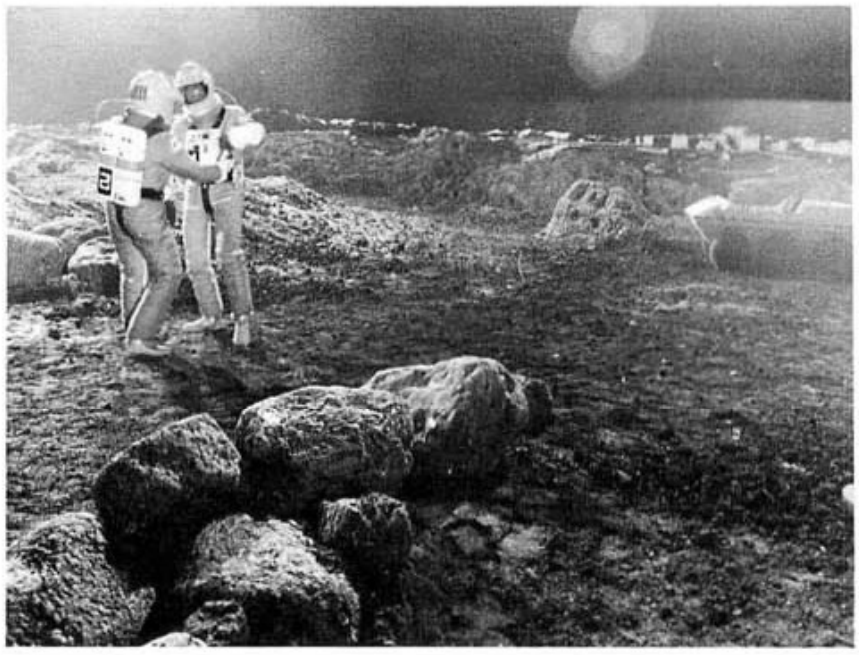
He just can't be Lee Russell. Koenig and Bergman are at least sure of that. The important question is, why is he on Alpha and why doesn't he want them to go to Terra Nova?

A reconnaissance flight to the planet Terra Nova (Meta) returns to Alpha with its crew unconscious and an extra man on board. He is Lee Russell, Helena's husband, lost years earlier on a space mission. Russell attempts to warn the Alphans away from the planet. However, when Koenig demands an explanation, Russell cannot explain his reasons. Realizing he has failed, Russell simply dies and his body vanishes. Koenig ignores the warning and orders a probe of the planet's surface. At first, they find Terra Nova to be a tropical paradise. Suddenly, the whole universe appears to go mad: Eagle 1 explodes with Alan Carter aboard; Sandra is blinded and Paul killed as his laser inexplicably explodes between them. Finally, Koenig is killed by a rockslide as shock waves hit the planet when the Moon is torn apart. Alone, Helena finds Lee, once more. He can grant her the power to return things back to what they were before the catastrophe.

Lee Russell: RICHARD JOHNSON
Parks: STUART DAMON

3. The Black Sun

Screenplay: DAVID WEIR
Director: LEE H. KATZIN



Bergman and Koenig congratulate each other on the success of the force field as it easily deflects laser fire from Eagle 1. If it works as well against the black sun, Alpha may survive.

The runaway Moon is at the edge of destruction as it is slowly being drawn into a black sun; an area of intense gravitational pull. In an effort to save the base, Bergman designs a force field that draws its power from the collapsed stellar mass. It is a slim chance for Alpha so Koenig launches a survival ship. Aboard are Sandra, Helena, Alan, and three other Alphans. As the Moon travels into the effected area, Bergman and Koenig view the very fabric of space itself. They await their fate.

Mike Ryan: PAUL JONES
Smitty: JON LAUIMORE

4. Ring Around the Moon

Screenplay: EDWARD DI LORENZO
Director: RAY AUSTIN

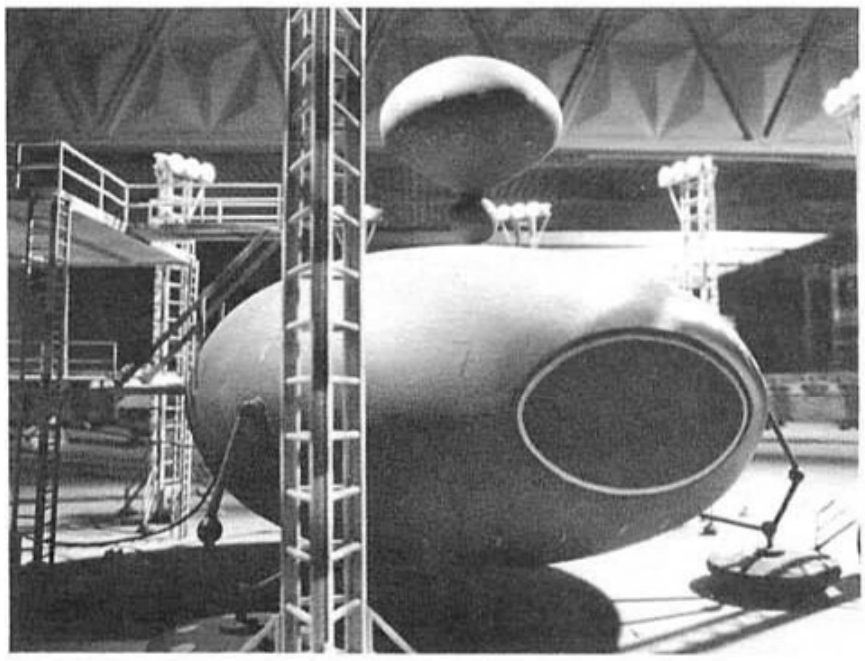
Having lost Clifford, the Triton Space Probe teleports Helena aboard. Clifford failed because his control device was implanted over a vast distance, but at close range it's completely effective.

Maintenance engineer Ted Clifford becomes the pawn in an alien plot. As Clifford is repairing some equipment near a viewport, an energy beam flashes across the lunar horizon and strikes the Alphan's head. The beam, from a Triton Space Probe, leaves an energy implant in Clifford's brain. His brain now functions as an alien computer and everything he sees is transmitted back to the probe. Clifford then attempts to steal classified information from the Alphan computers. However, the implant was not properly placed and Clifford's brain "burns-out." With the Alphan dead, a new target is selected--Helena Russell! She is transported aboard the Triton probe where she is given an energy implant at close range. But her brain will also "burn-out" unless Koenig can stop the ship's inhabitants from carrying out their plot. Upon boarding the probe, though, Koenig discovers that Alphan's enemy is a machine. The Commander must outwit the alien logic of an automated spacecraft.

Ted Clifford: MAX FAULKNER

5. Earthbound

Screenplay: ANTHONY TERPILOFF
Director: CHARLES CRICHTON



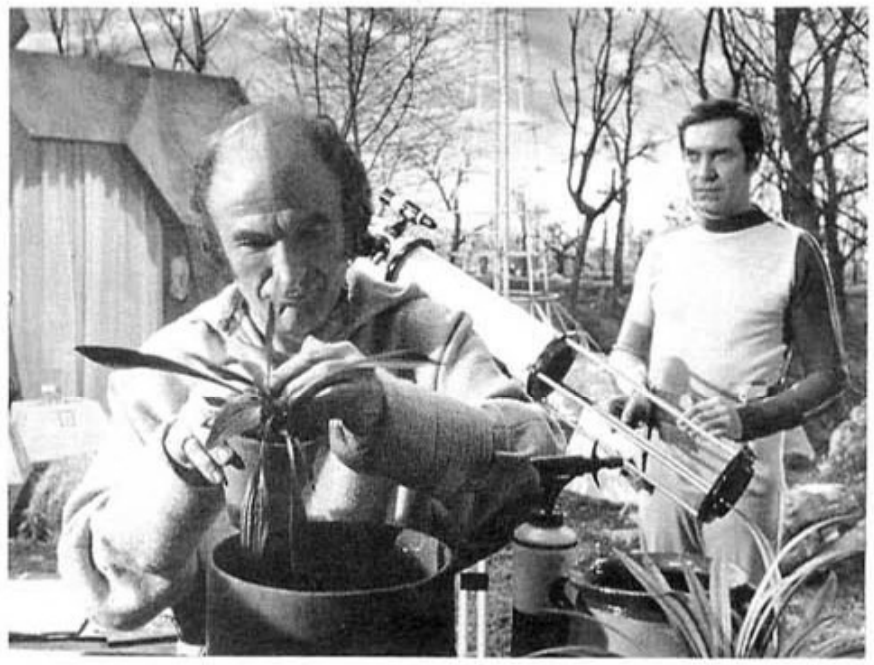
The Caldorian sleepership sits within the pressurized service area below Launch Pad 1. Commissioner Simmonds plans to secure the extra space aboard the Earthbound ship for himself.

Enroute to Earth, an alien spacecraft crashlands on the Moon. On board are six crewmembers in suspended animation. Upon awakening, their leader, Captain Zandor, tells Koenig that they are heading for Earth because their planet has been destroyed. Since one of the aliens was killed when his sleep casket was forced open, one Alphan will be allowed to return to Earth. Commissioner Simmonds, trapped on the Moon when it was blasted out of orbit, will stop at nothing to be the sixth member. Stealing Koenig's commlock, he enters the life support room and removes its power core. Alpha is then left with the choice of letting him go or facing death from lack of power and environment.

Commissioner Simmonds: ROY DOTRICE
Captain Zandor: CHRISTOPHER LEE

6. Another Time, Another Place

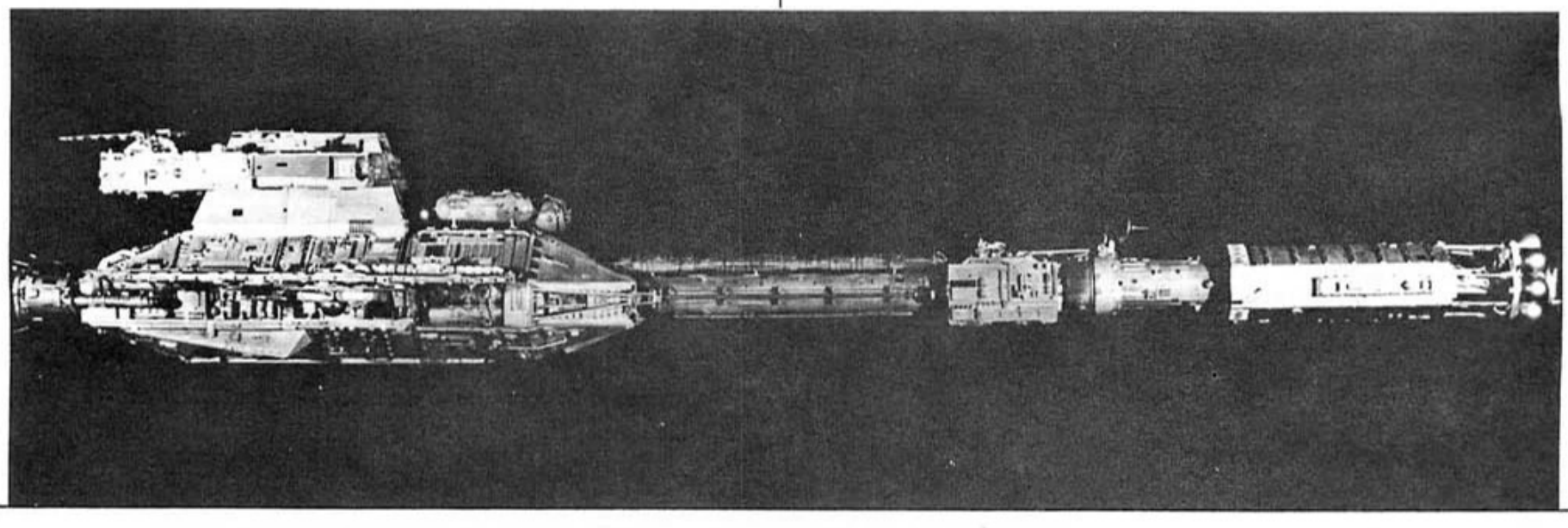
Screenplay: JOHNNY BYRNE
Director: DAVID TOMBLIN



Alpha has been hurled through a time warp five years into the future. The Moon has returned to Earth where the Alphans discover another Moon and duplicates of themselves.

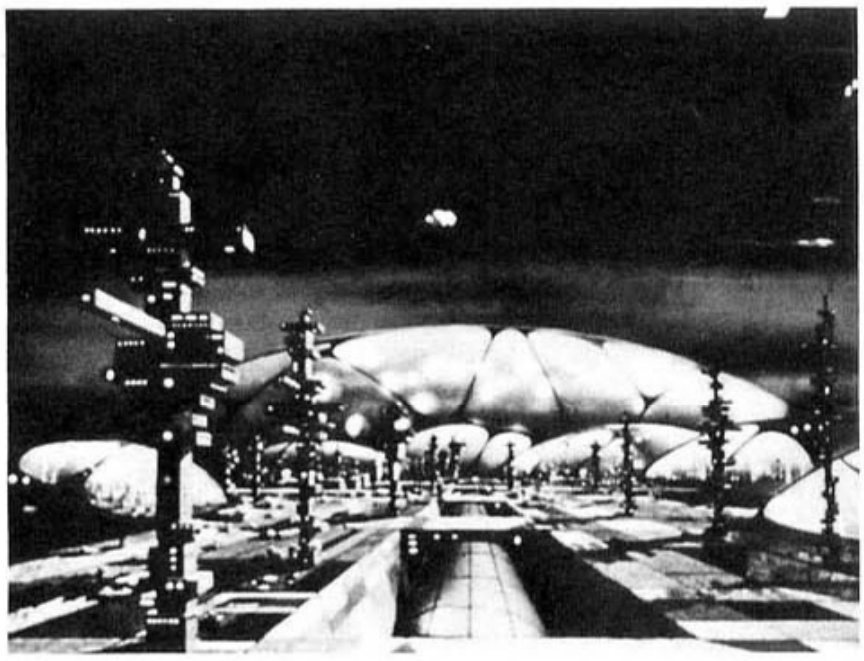
Alpha passes through a rift in the fabric of the universe and is hurled across time and space. The only person to be physically effected is Main Mission staff member Regina Kesslann. She begins to develop symptoms of sunburn and whimpers something about seeing "two moons" in the sky. Miraculously, it is discovered that the Moon is returning to Earth orbit! As it locks into orbit, Regina dies in the arms of the man she claims to be her husband--Alan Carter! Suddenly, a second Moon is spotted with another Moonbase. The two bodies are on a collision course, so Koenig, Helena, and Carter probe the surface of the Earth--devastated from a radical shift in its axis-- in an attempt to find a suitable site for relocating the Alphans. On the planet, however, they discover themselves, five years in the future.

Regina Kesslann: JUDY GEESON



7. Missing Link

Screenplay: EDWARD DI LORENZO
Director: RAY AUSTIN



Somehow Koenig has been teleported to the beautiful planet Zenno. He begins to wonder how good it would be to stay and live out his life with Raan's daughter Vana.

To the men and women of Alpha, Koenig appears to be in a deep coma andat the point of death after a fatal Eagle crash. Koenig, however, finds himself alive and well on the planet Zenno. He has been kidnapped by an alien anthropologist named Raan who believes Koenig's people to be the missing link in the evolutionary ascent of the Zennites. The alien is attempting to bridge the gap between his race's current evolutionary status and their barbaric ancestors of a billion years ago. While under study, Koenig falls in love with Vana, Raan's daughter. But, without the command of John Koenig, Alpha is on the brink of chaos. Now he must choose between the peaceful life of Zenno and his place on Alpha.

Raan: PETER CUSHING
Vana: JOANNA DUNHAM

8. The Guardian of Piri

Screenplay: CHRISTOPHER PENFOLD
Director: CHARLES CRICHTON

A picture of statuesque beauty and unearthly elegance, the Guardian strolls out of the tower entrance toward the startled Koenig. "Welcome to Piri," she greets him, "the end of your journey."

Alpha's computer is under the control of the Guardian of Piri. The computer reports that Piri is the perfect world that they have been searching for. In reality, it is lifeless except for the presence of an incredibly beautiful woman who serves the Guardian. Lured by the Guardian's illusions, the Alphans, except for Koenig, who knows the truth behind Piri's spell, take to the Eagles and travel to the planet's surface. Time stands still on Piri and Koenig sees it as a living death for the Alphans who have abandoned the Moon. Alone on Alpha, Koenig must devise a scheme that will release his people from eternal service to the mysterious Guardian.

Servant of the Guardian: CATHERINE SCHELL
Pete Irving: MICHAEL CULVER

9. Force of Life

Screenplay: JOHNNY BYRNE
Director: DAVID TOMBLIN

Carter's laser has charred Zoref's body to the bone, yet the power that controls him urges the corpse on. It opens the reactor door and steps in.

The body of technician Anton Zoref is invaded by a life force that consumes raw energy. Zoref begins to absorb energy, first from equipment, then from people as well. He leaves a trail of burnt out machines and frozen, lifeless bodies around Alpha. The only chance of survival is to cut all power on Alpha, forcing Zoref to head for the source:the power station. He is confronted there by Koenig, Carter and Bergman. Deprived of energy, severely weakened, he lunges at Koenig, but Carter fires a Kill Laser at Zoref. His body is charred to the bone, but the laser has given him renewed energy. Zoref enters the power station and begins to open the reactor. The pile begins to reach critical mass and the Alphans await a nuclear explosion.

Anton Zoref: IAN McSHANE
Eva Zoref: GAY HAMILTON
Mark Dominix: JOHN HAMILL
Jane: EVA RUEBER-STAIER

10. Alpha Child

Screenplay: CHRISTOPHER PENFOLD
Director: RAY AUSTIN

"How'd you like to go for a flight?" Carter asks Jackie, not realizing that the boy cannot hear him. "We'll take an Eagle and soar around the Moon."

Jackie Crawford is the first child born in space, but Alpha's joy turns to shock when the child ages five years in a matter of minutes! Though most of the Alphans soon grow to love the deaf-mute child, he terrifies his mother and disturbs Koenig. Suddenly, as four spacecraft appear over Moonbase, Jackie dies and, as he lies in Medical Center, is transformed into a full-grown man named Jarak. The alien's first action is to transform Alphan Cynthia Crawford into Jarak's mate, Rena. The aliens and their 118 companions in the spaceships above are running from the ruthlessly imposed genetic conformity of their world. They plan to hide within the bodies of 120 Alphans, but to do so, the Alphans must die. However, those pursuing Jarak have caught up with the fugitives sooner than expected and a war of the aliens begins. The fate of Alpha hangs in the balance.

Jarak: JULIAN GLOVER
Cynthia Crawford/Rena: CYD HAYMAN
Jackie: WAYNE BROOKS

11. The Last Sunset

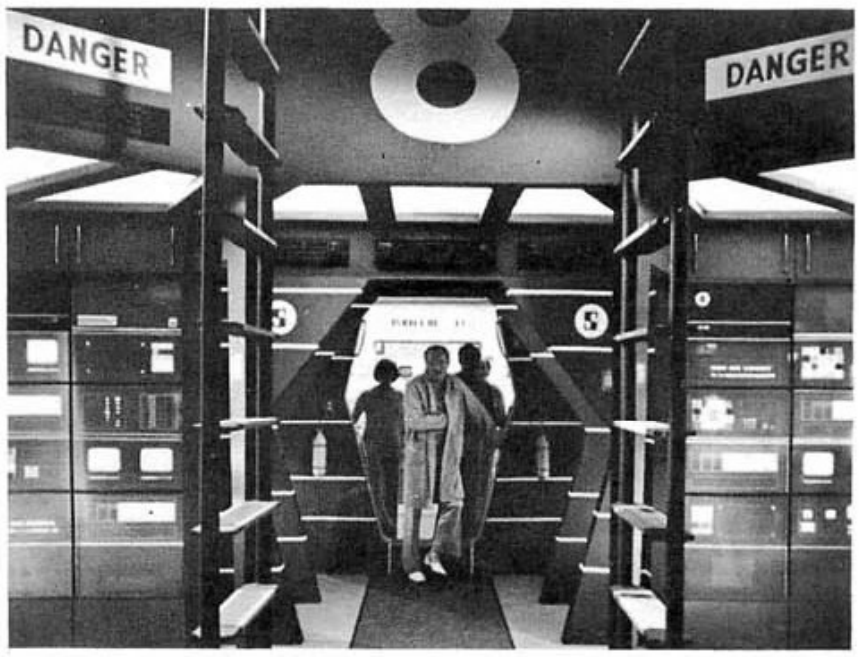
Screenplay: CHRISTOPHER PENFOLD
Director: CHARLES CRICHTON

The amazed Alphans reach up to catch the rain falling from the lunar sky. Their "new Earth" is a wonderful gift from the creatures on the planet Ariel.

Hopes of a new home arise once more as the runaway Moon encounters the Earth-like planet Ariel. If the Moon enters orbit, the gravity will be the same as the Earth-Moon relationship. During a probe of the planet however, a small satellite attaches itself to Eagle 1's command module. Hundreds of other satellites follow it back to the Moon. Upon arrival, the satellites adjust the Moon's gravity to Earth-normal and fill the lunar sky with fresh air. The Alphans have been given their own atmosphere-rich world. For days they take in the Sun, rain and open air, until it is learned that the Moon will not go into orbit, but continue on out past the Sun. Without sunlight, the atmosphere will freeze and Moonbase will be crushed under megatons of ice! The benevolent inhabitants of Ariel, however, have realized this and sent their satellites back to return the Moon to its normal state. But Helena, Paul, Alan, and an injured Sandra have crashed somewhere on the lunar surface and must be found before the atmosphere goes!

12. Voyager's Return

Screenplay: JOHNNY BYRNE
Director: BOB KELLETT



Dr. Ernst Linden leads Koenig, Helena, and Bergman into the control room of Voyager One. Within the banks of the probe's computer is a fantastic amount of priceless information about deep space.

Voyager One, a malfunctioning, fast-neutron-powered spaceprobe from 1985 is heading toward Alpha. Somehow, the probe's engines must be switched over to chemical rockets before its neutron wake destroys Alpha. There is some hope because Voyager's creator, Dr. Ernst Queller is on Alpha as Ernst Linden. He is using an assumed identity because his Queller Drive killed many people back on Earth due to a malfunction. Despite his injury suffered in an attack from a technician who has learned his true identity and wants revenge for the death of his parents, Queller shuts down the Voyager and safely brings it down. However, the probe has been followed by three alien spacecraft from a planet all but destroyed by the Queller Drive. Now they wish to take their revenge on Alpha.

Dr.Ernst Linden: JEREMY KEMP
Jim Haines: BARRY STOKES
Aarchon : ALEX SCOTT
Abrams: LAWRENCE TRIMBLE

13. Collision Course

Screenplay: ANTHONY TERPILOFF
Director: RAY AUSTIN

"We have met with purpose, John Koenig," Arra tells him. "My people will mutate into a higher life form while yours will populate the deepest regions of space! We must not fail."

Alan Carter is caught in the explosion of an asteroid on a collision course with the Moon. Koenig and Morrow set out to rescue him and discover that the Moon is again on collision course with a gigantic planet. After returning the injured Carter to Moonbase Alpha, Koenig sets out to obtain additional data on the planet from his Eagle's onboard computers. This is necessary since the plasma cloud from the first explosion is blocking Alpha's sensors. As he nears the planet, his Eagle is drawn aboard a giant spaceship. Inside, Koenig meets Arra, the aged Queen of the planet Astheria. She tells Koenig that he must let the planets collide for the great purpose of mutation. Back on Alpha, Helena, believing Koenig is suffering from radiation sickness, sedates the Commander. But Arra brings both Alan and the Commander out of their sleep and they prevent Alpha's last chance from avoiding collision. The worlds collide--with an incredible result!

Arra: MARGARET LEIGHTON

14. Death's Other Dominion

Screenplay: ANTHONY TERPILOFF and
ELIZABETH BARROWS
Director: CHARLES CRICHTON

This corpse was once Dr. Rowland. That was before he left Ultima Thule aboard Eagle 1. He did not listen to Tanner's warning that, "Thule will never let us go. Never!"

Alpha receives a distress signal from a planet with a surface temperature of 200° below zero. Landing in the howling wind Koenig, Helena, Bergman, and Carter search for the people who called to them. They discover the survivors of the Uranus expedition of 1986 lead by Capt. Jack Tanner and Dr. Cabot Rowland who claim to have been alive on the frozen planet of Ultima Thule for 880 years! They have found the secret of eternal life and want to share it with the Alphans, but the price is submitting to experiments in the hope of uncovering the secret of eternal life. Unfortunately, they have already left many Thulians mindless husks. The Alphans must choose; eternal life at the cost of becoming human white mice for Dr. Rowland's experiments or wandering space--perhaps forever. But they soon learn Thule's price is even more deadly.

Dr. Cabot Rowland: BRIAN BLESSED
Capt. Jack Tanner: JOHN SHRAPNEL
Freda: MARY MILLER

15. Full Circle

Screenplay: JESSE LASKY,JR. AND PAT SILVER
Director: BOB KELLETT

The cave dwellers have frightened Sandra, but in the dim light she can still see that the leader of the cave people and his mate look like Koenig and Russell.

A landing party fails to return from its mission. When their Eagle is returned by remote control to Alpha, only the body of a Stone Age man is present. Koenig and Helena lead a second landing party but are separated from the others. Sandra is captured by cavemen who take her to a cave. There she becomes the prize in a fight between the man who found her and the leader of the cavemen. The leader wins the fight, but Sandra smashes a stone against the leader's head and escapes. As the leader's mate comforts him, they begin to resemble Koenig and Russell! Alan, Bergman, and Kano find Koenig lying unconscious,covered with blood. He is near the edge of a strange mist that Alan deduces to be the cause of the Alphans' disappearance.

Spearman: OLIVER COTTON

16. End of Eternity

Screenplay: JOHNNY BYRNE
Director: RAY AUSTIN

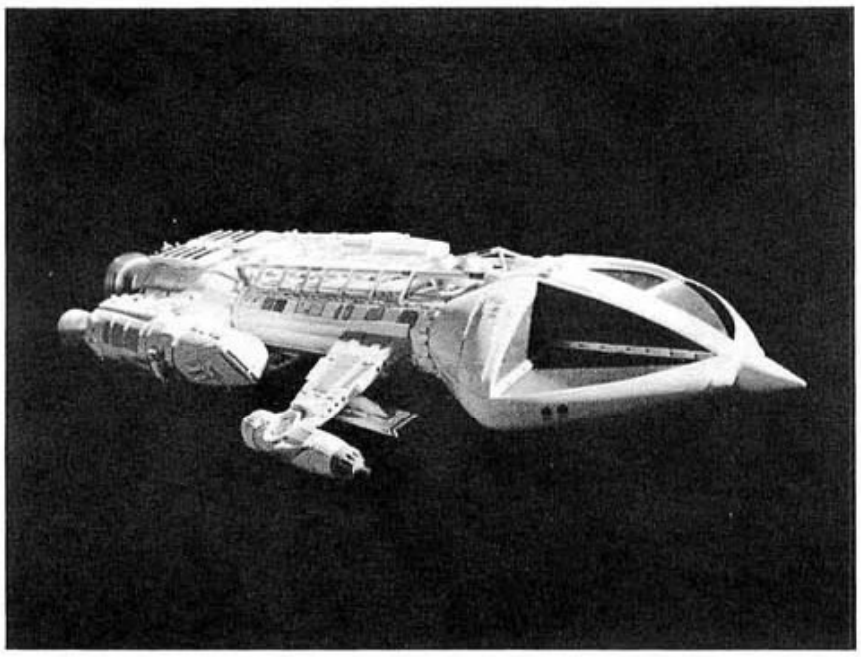
The tall creature that has lain bloodied and smashed on the operating table for hours now stands up and peers out of the isolation ward. He wonders whether or not he is a prisoner.

Investigating a passing asteroid, the Alphans blast into a chamber where they find a terribly mutilated alien, but when they arrive back on Alpha the alien's scars have healed. He is Balor; a scientist from the planet Progon. He says he was imprisoned in the asteroid because he tried to take the gift of immortality back from his people when he saw how apathetic they were becoming. In reality, however, Balor is a psychopath who loves to cause pain and destruction. Using his fantastic powers, the alien tears through Moonbase. Alpha's only hope is if Koenig can decoy him into space, but Balor is more powerful than Koenig imagines and the Commander finds his life on the line.

Balor: PETER BOWLES
Mike Baxter: JIM SMILIE

17. War Games

Screenplay: CHRISTOPHER PENFOLD
Director: CHARLES CRICHTON



There is no doubt at all. The craft from the alien planet are Mark IX Hawk defense ships designed and built on Earth. Why are they attacking Alpha?

In space, nothing is as it seems, sometimes. From a nearby planet, light years from Earth, comes a fleet of Mark IX Hawk Warships. They attack Alpha, leaving it devastated. Only 170 Alphans remain alive, but the base is no longer operational. Helena and Koenig fly to the planet to plea for help, but Helena is captured. Escaping, Koenig transfers to a laser-equipped Eagle with Alan and prepares to invade the planet using force. Their Eagle is destroyed upon impact with a force field and Alan is killed. Koenig, however, is teleported back to the planet. In blind rage, he sets off a chain reaction that all but destroys the planet. Koenig finds Helena amidst the wreckage of the alien civilization. The Eagles, waiting in space with all the Alphans aboard, are ordered back. "If you're gonna die," Koenig tells them, "you might as well die on Alpha."

Male Alien: ANTHONY VALENTINE
Female Alien: ISLA BLAIR

18. The Last Enemy

Screenplay: BOB KELLETT
Director: BOB KELLETT

Alan is sure Dione's battlecruiser isn't dead, but the alien commander assures the Alphans that it is. However Dione is not one to be underestimated.

Alpha becomes a pawn in an interplanetary war when it comes between two planets on the opposite sides of their sun. The Moonbase defense systems are useless as a gigantic alien battle cruiser uses the lunar surface as a ready-made gun platform. Suddenly, missiles from the other planet apparently destroy the battle cruiser, but a small escape craft makes its way to Alpha. Aboard is Dione, the commander of the craft from the planet Betha. Koenig attempts to negotiate a cease-fire agreement between Betha and Delta. The war leaders agree, but the cunning Dione has been underestimated. Her ship is fully operational and she intends to win the war even though Alpha has been marked for destruction if the cease-fire ends.

Dione: CAROLINE MORTIMER
Theia: MAXINE AUDLEY
Talos: KEVIN STONEY
First Girl: CAROLYN COURAGE

19. The Troubled Spirit

Screenplay: JOHNNY BYRNE
Director: RAY AUSTIN

Somehow, Dan Mateo's ghost has appeared on Alpha and killed all of the people responsible for his death. But Dan Mateo is still very much alive!

An eerie wind sweeps through Alpha and botanist Dan Mateo collapses during what appears to be a seance. Mateo confesses to making an attempt to communicate with plants by telepathy, but somehow Mateo has summoned up his own ghost. The spirit kills two people with whom Mateo is angry. Bergman sees only one hope to destroy the ghost--a scientific exorcism. They soon discover that the mutilated spirit is out to revenge a horrible death that has not yet happened!

Dan Mateo: GIANCARLO PRETTE
Laura Adams: HILARY DWYER
Dr. James Warren: ANTHONY NICHOLLS
Spirit: VAL MUSETTI

20. Space Brain

Screenplay: CHRISTOPHER PENFOLD
Director: CHARLES CRICHTON

The direct-vision ports have burst from external pressure and white antibodies of the "Space Brain" flood Moonbase Alpha as the staff seeks to protect the base from destruction.

Alien hieroglyphics suddenly appear on all of Alpha's communication screens. The source is a fantastic display of light in space. The first Eagle sent out is assumed destroyed when a meteorite screams out and impacts on the lunar surface. Koenig is horrified to learn that the six-foot-diameter mass is the compressed form of the Eagle and its pilots! Alan Carter and co-pilot Kelly are also out in space searching for the missing Eagle at the time of the horrifying discovery. Kelly leaves the Eagle to get first-hand data on the mysterious lights, but after his exploratory spacewalk, Kelly appears to have gone berserk. It is soon learned that the light source is a brain that wants to warn Alpha that it is on collision course with its Moon, both masses unable to avoid impact. However, before it was realized that the brain meant no harm, a nuclear explosive-filled Eagle was launched into the brain. Koenig orders the ship back, but the remote control system has shorted out and the craft is now on a collision course with Alpha. Koenig must board the Eagle and disarm the bombs before it's too late.

Kelly: SHANE RIMMER
Melita: CARLA ROMANELLI
Wayland: DEREK ANDERS

21. The Infernal Machine

Screenplay: ANTHONY TERPILOFF and
ELIZABETH BARROWS
Director: DAVID TOMBLIN

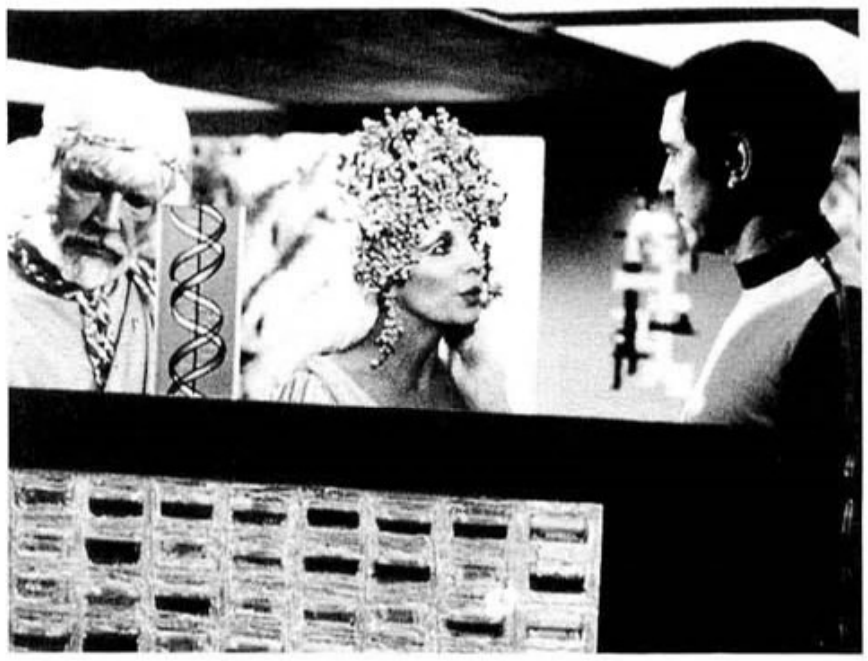
His name was Delmer Powys Plebus Gwent; a genius from the planet Zemo and creator of the giant machine. "He outgrew me," the old man tells the Alphans. "Now he is my master."

A strange craft is sighted over the lunar horizon shortly before Alpha's computer malfunctions. A voice from the craft asks permission to land, but makes it clear that it has total control of the computer system and it will not accept "No" for an answer. Koenig agrees to the landing request and reluctantly accepts an invitation for Bergman, Helena, and himself to go out and greet their mysterious visitor. They arrive via Moonbuggy and meet an old man who calls himself "Companion." He tells them that Gwent is in need of supplies. When Koenig asks to see Gwent, Companion informs him that the entire spacecraft is Gwent. But Gwent needs more than supplies, for Companion is dying and a new one must be found. Soon, the old man dies and Gwent delivers his ultimatum: unless both the supplies and a new Companion are given to him, he will destroy Moonbase Alpha. Koenig finds himself with little choice.

Companion/Gwent: LEO MCKERN

22. Mission of the Darians

Screenplay: JOHNNY BYRNE
Director: RAY AUSTIN



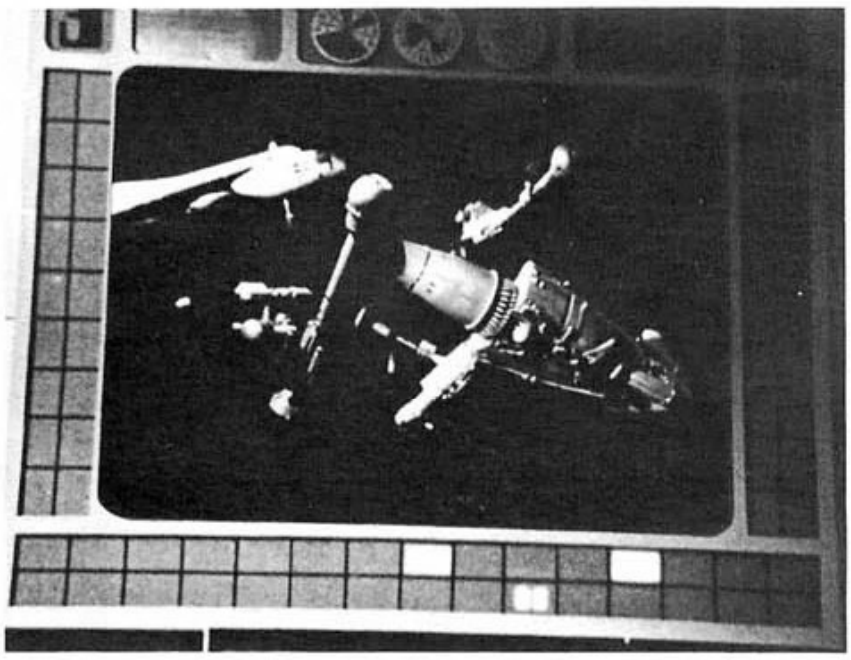
Neman and Kara offer the Alphans the chance to leave Moonbase and live aboard the Daria so that their children may share the Darian's new world.

Alpha answers a plea for help from the colossal spaceship Daria. The craft is at least fifty miles long and two miles wide! Aboard, they discover the remains of the once-great Darian civilization now in a state of primeval barbarism. However, a small group of Darians have escaped the nuclear catastrophe that devastated most of the ship. They explain to Koenig that they have been in space for 900 years and hope to reach the new planet they set out to colonize in another 100 years. Kara and Neman offer to take the Alphans on so that their children's children may have a home, but Bergman discovers that Kara and her people are the same 14 true Darians that survived the disaster hundreds of years earlier. They keep alive through transplant surgery and food recycled from human bodies! Meanwhile, Helena, who has been given to the barbarian's "god," awaits, sedated, in the recycling plant to become human fodder! This is the fate that awaits them all.

Kara: JOAN COLLINS
Neman: DENNIS BURGRESS
Petros High Priest: AUBREY MORRIS
Lowry: PAUL ANTRIM
Hadin: ROBERT RUSSELL
Male Mute: GERALD STADDEN
Female Mute: JACKIE HORTON

23. Dragon's Domain

Screenplay: CHRISTOPHER PENFOLD
Director: CHARLES CRICHTON



It has to be more than chance. Ahead of Alpha is the same spaceship graveyard that Cellini had encountered behind Ultra. And sitting atop one of the craft is Ultra Probe itself.

What begins as a quiet Alphan night quickly becomes the opening curtain for the reliving of a nightmare. Koenig is forced to stun his close friend, Tony Cellini, when he attempts to steal an Eagle. The incident stirs Tony's long-supressed memory of the ill-fated Ultra Probe mission of 1996. Helena recalls the story Cellini told the space medical board about a tentacled monster that killed his crew. No one believes his story, until Alpha encounters the same graveyard of spaceships Cellini says he found behind Ultra. His second attempt at stealing an Eagle succeeds and Cellini sets out to face the dragon in his domain for a final confrontation.

Tony Cellini: GIANNI GARKO
Commissioner Dixon: DOUGLAS WILMER
Dr. Monique Fauchere: BARBARA KELLERMAN
Prof. Darwin King: MICHAEL SHEARD
Dr. Juliet Mackie: SUSAN JAMESON

Note: At the opening of this episode, Helena records the date as 877 days since leaving orbit. This is a computer estimate of time passage on Earth since she was updating an Earth medical record. Alpha time is 295 days.

24. The Testament of Arkadia

Screenplay: JOHNNY BYRNE
Director: DAVID TOMBLIN

Since the beginning of time the destinies of Luke Ferro and Anna Davis have been fixed. They are to bring life back to the world that had once brought life to Earth.

Since the Moon broke out of orbit, the Alphans have encountered many unknowns. They have learned from Arra that the nuclear explosion was no freak accident: they are destined to populate the farthest reaches of space. Now, suddenly and without warning, Alpha stops dead in space near a lifeless world. Power drops to almost zero and the Alphans find themselves with no other option than to explore the planet for a possible site for colonization. They find a petrified world just barely returning to life after some great holocaust. In a cave--the greatest shock of all, human skeletons and an inscription in Sanskrit, the earliest form of written language on Earth. It is here that Earth life began. Outside there are remains of many Earth-type trees and animal skeletons. By translating the Sanskrit, it is learned that the people of Arkadia who escaped the holocaust colonized Earth, and as the Moon speeds again out of orbit and into the void, two people will bring the process full circle. But who will it be?

Luke Ferro: ORSO MARIA GUERRINI
Anna Davis: LISA HARROW

SPACE: 1999
Year 2 (1976)

CAST

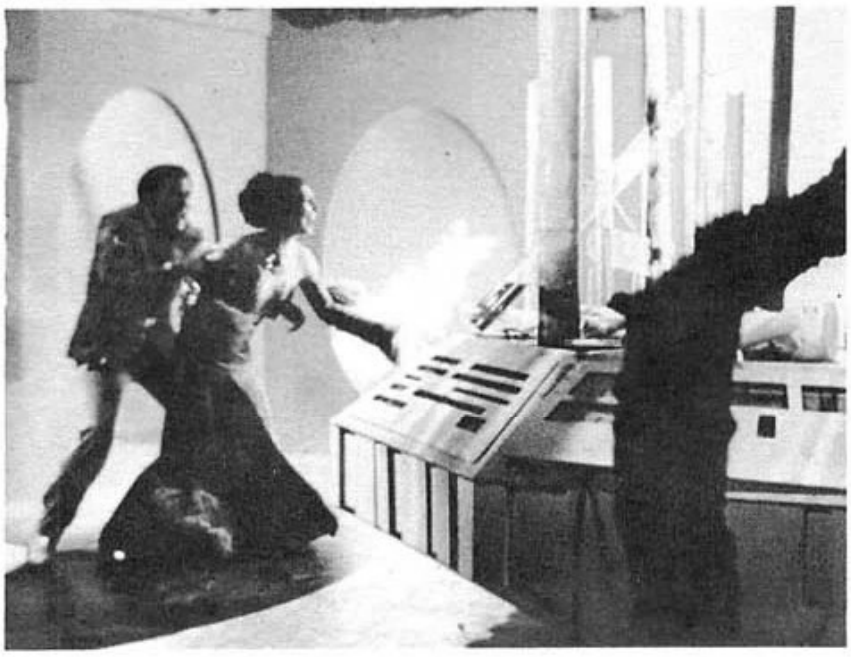
Commander Koenig	MARTIN LANDAU
Dr. Helena Russell	BARBARA BAIN
Maya	CATHERINE SCHELL
Tony Verdeschi	TONY ANHOLT
Alan Carter	NICK TATE
Sandra Benes	ZIENIA MERTON
Yasko Nugami	YASUKO NAGAZUMI
Bill Fraser	JOHN HUG
Dr. Ben Vincent	JEFFREY KISSOON
Dr. Robert Mathias	ANTON PHILLIPS
Andy Johnson	JOHN ALKIN

CREW

Executive Producer	GERRY ANDERSON
Producer	FREDDIE FRIEBERGER
Story Editor	FREDDIE FRIEBERGER
Technical Director	DAVID LANE
Assistant Producer	REG HILL
Associate Producer	FRANK SHERWIN GREEN
Continuity	GLADYS GOLDSMITH
Lighting Cameraman	FRANK WATTS,ASC
Make-up	BASIL NEWALL, CONNIE REEVE
Casting	LESLEY DE PETTITT
Production Designer	KEITH WILSON
Electronics	ATT GROUP
Electronic Effects	MIKE S.E.DOWNING
Editor	MIKE CAMPBELL
Special Effects Director	BRIAN JOHNSON
Special Effects Cameraman	NICK ALLDER
Modeller	TERRY REED
Music	DEREK WADSWORTH
Series Creators	GERRY AND SYLVIA ANDERSON
Production Company	GERRY ANDERSON PRODUCTIONS, LTD.
Studios	PINEWOOD (Live) and BRAY (Effects)

1. The Metamorph

(Originally Titled "The Biological Computer" and "The Biological Soul")
Screenplay: JOHNNY BYRNE
Director: CHARLES CRICHTON



Koenig attempts to restrain the grief-stricken Maya from leaping into the flames to rescue her father. Before he is consumed in the holocaust, Mentor pleads with Koenig to save his daughter.

On a volcanic planet, the lives of the Alphans are threatened by an alien scientist named Mentor. He needs their brains for the psychic energy his biological computer (Psyche) requires to transform the planet's surface back into the paradise it once was.One Alphan, Ray Torens, has already joined the living dead after having his mind fed into Psyche. Koenig refuses Mentor's request for submission and the alien unleashes Psyche's power on Moonbase. Unable to stop Mentor, the Alphans must base their hopes on Maya, Mentor's beautiful daughter. Totally unaware of how fanatical her father has become in the pursuit of his dream, Maya is shocked into facing reality. She is forced by Koenig to look in the caves beneath Psychon where the "brain-drained" are kept to dig for metal ores by Mentor. She decides to confront her father. In the ensuing struggle, the biological computer is put out of commision. But the destruction of Psyche unleashes the volcanic fury of the planet, bringing death and destruction to the inhabitants of Psychon.

Mentor: BRIAN BLESSED
Annette Fraser: ANOUSHKA HEMPEL

2. The Exiles

Screenplay: DONALD JAMES
Director: RAY AUSTIN

Cantar and Zova offer to modify the life-support system so that Alpha can accomodate their people as well as the humans. But their real motives are far from altruistic.

Hundreds of tiny capsules lock into orbit around the Moon. Recovering one of the capsules, the Alphans bring it to an isolated security launch pad miles from the base. Inside, they find the body of a young boy. He is carried to Medical Center and revived. Stating that his name is Cantar, he claims his people, who are orbiting the Moon, were exiled from their home world by invaders. Although Koenig allows the capsule containing Cantar's wife Zova to land, he hesitates in retrieving the others. Alpha cannot support the additional people, but Cantar says he can modify the life-support system. Koenig allows the alien to try it, but Cantar really intends to adapt the life-support system into a transporter. Helena and Tony are kidnapped to the alien's home world where they learn that Cantar and Zova are psychotic killers. Cantar plans to invade his home world and resume control.

Cantar: PETER DUNCAN
Zova: STACY DORNING
Mirella: MARGRET INGLIS

3. One Moment of Humanity

(Originally Titled "One Second of Humanity")
Screenplay: TONY BARWICK
Director: CHARLES CRICHTON

Zamara and Zarl need Tony and Helena to teach them the ways of expressing violent emotions. The androids seek to kill their human creators but lack the knowledge of violence.

Without warning, the power throughout Alpha dies. In a flash of light Zamara, of the planet Vega, appears in Command Center demanding that two Alphans return with her to Vega. If they do, Alpha's power will be returned. Helena and Tony are the ones chosen to teleport back to Vega. There, they discover that Zamara and her people are a race of superandroids and, what the pair at first assume are robots, are really the Vegan humanoids. The Vegans wear their robot guise because the androids learn from observation. The automatons want to destroy the humanoids. However, they have never seen violent emotions before and cannot, therefore, express them. That is the purpose of bringing Helena and Tony over. Failing to elicit the needed reactions from the two Alphans, Zamara brings Koenig and Maya over. A male android, Zarl, seduces Helena in front of Koenig who attacks the android in a jealous rage. They have seen; they have learned. Now they can kill.

Zamara: BILLIE WHITELAW
Zarl: LEIGH LAWSON
Number Eight:GEOFFREY BAYLDON

4. Journey to Where

Screenplay: DONALD JAMES
Director: TOM CLEGG

The time warp has thrown the Alphans back to medieval Scotland, during the days of the dreaded Black Plague. Scots tribesmen capture them, mistake Helena's cold for the Plague, and prepare to burn them all.

From out of the void comes a voice calling from Texas City, planet Earth! A breakthrough in neutronic technology has allowed not only audio-visual contact, but will allow the Alphans a chance to be transported home via teleportation. Koenig, Helena and Alan are the first to enter the transference beam, but an earthquake on Earth damages the equipment and the trio find themselves displaced in space and time. They soon discover that they are on Earth in Scotland, and the year is 1339. Hostile tribesmen capture them, but because Helena is sick with a fever, the Scotsmen think they have the Black Plague and prepare to burn the trio. Unless Maya can track them by their bio-monitors, Texas City cannot bring them back!

Dr. Logan: FREDDIE JONES
Carla: ISLA BLAIR
MacDonald: ROGER BIZLEY
Jackson: LAURENCE HARRINGTON

5. All That Glisters

Screenplay: KEITH MILES
Director:RAY AUSTIN

It isn't the mineral that they are looking for, but Dave Reilly and Maya stop to examine the strangely glowing rock.

Searching for a suitable subsitute for Earth, Commander Koenig, Dr. Russell, Tony, Maya, and Dave Reilly investigate a planet that appears to be without life. But it is a world populated by living rocks. These organisms can communicate with each other and begin an attack on the Alphans by emitting deadly energy rays. The creatures are in need of water and decide to use the humans to find the life-sustaining liquid. Tony is the first to be taken over when a seemingly harmless piece of stone is brought aboard Eagle 1. Using its powers, the rock creature attempts to blast off in the craft with Helena trapped on board. If the creature succeeds, Tony, John, Maya and Reilly will be marooned forever!

Dave Reilly: PATRICK MOWER

6. The Taybor

Screenplay: THOM KEYES
Director: BOB BROOKS

Taybor puts his craft into hyperdrive and amazes Koenig with the speed of the ship. The space trader is willing to share its secrets with Alpha for a price... he wants Maya!

Alpha learns the hard way to beware of strangers bearing gifts. Moonbase is visited by the galactic trader Taybor, skipper of the S.S. Emporium. Bearing an incredible collection of gifts to trade, Taybor offers Koenig something almost priceless: a jump-drive device that, installed on an Eagle, will shuttle the Alphans back to Earth. But the jump-drive does have its price--Maya! Koenig refuses the offer, but tries to swap a life-sized model of Maya to keep Taybor company. The trader agrees, only to kidnap the real Maya right out from under the Alphans' noses. He makes the jump into hyperspace and Alpha is helpless to stop him, but the trader does not realize the full extent of Maya's powers!

Taybor: WILLOUGHBY GODDARD

7. Mark of Archanon

Screenplay: LEW SCHWARZ
Director: CHARLES CRICHTON

Pasc and Etrac were placed in suspended animation hundreds of years ago because Pasc had contracted the "Killing Sickness." It is only a matter of time before Etrac falls victim to the same malady.

Deep beneath the surface of Moonbase Alpha, Alan Carter and Andy Johnson discover the bodies of a man and a boy in a state of suspended animation. The Alphans release Pasc and his son Etrec. They say that they are from Archanon, the planet of peace, and were placed in the chamber when other members of their expedition contracted the "Killing Sickness." However, it was not the other Archanons who had the disease, but Pasc and Etrec themselves. Pasc forces Helena into an Eagle at gunpoint as an Archanon spacecraft, following a signal sent the moment the two were released, arrives overhead. Etrec does not yet have the sickness and desires to stay with his new friend, Alan Carter. But Pasc threatens to kill Helena unless Etrec leaves Alpha with him.

Pasc: JOHN STANDING
Etrec: MICHAEL GALLAGHER

8. Rules of Luton

Screenplay: CHARLES WOODGROVE
Director: VAL GUEST

Maya and Koenig are forced to fight three aliens on a planet where plants are the dominant species.

Maya and Koenig investigate a planet covered with vegetation but bearing no signs of animal life. Eagle 1 develops an oxygen leak and Tony is forced to return to Alpha leaving the two behind. Maya innocently picks some flowers and is shocked when a thunderous voice cries out pronouncing them killers and cannibals. The rulers of the planet Luton sentence them to mortal combat with three other aliens who have also simply picked flowers. The winning side will be set free but only when the opposing side is completely killed; it is a fight to the death. As Tony returns to pick up the pair, the planet suddenly vanishes without a trace; there is no way to find them. Meanwhile, Koenig is wounded by "Alien Transport" when it materializes behind him. But Maya, using her powers of transmutation, saves Koenig. The odds change for the worse again when the last remaining alien captures Maya. Koenig must kill him or she will be crushed in a tiny cage when she can no longer hold her bird form.

Alien Strong: DAVID JACKSON
Alien Invisible: GODFREY JAMES
Alien Transport: ROY MARSDEN

9. New Adam, New Eve

Screenplay: TERRANCE FEELY
Director: CHARLES CRICHTON

"You are my new Adams, my new Eves," Magus tells the hapless Alphans. "I am your Lord and Creator. You must put trust in me." They soon learn differently.

Dressed in flowing robes and looking like a vision from the Old Testament, Magus arrives in Command Center amidst a flash of multi-colored lights. He claims to be the Creator and is ready to give the Alphans a second chance for life. He takes Koenig, Helena, Tony and Maya to a small planet he refers to as "Eden Mark II." He plans to rebuild the human race on this world using the Alphans as Adam and Eve. But Magus is revealed as a creature who wants to "create" the perfect race. The nights are filled with the horrid cries of the mutated failures of his earlier attempts with other races. The four Alphans desperately search for a way to defeat Magus before they too end up as failed attempts.

Magus: GUY ROLFE

10. Brian the Brain

Screenplay: JACK RONDER
Director: KEVIN CONNOR

No one knows quite what to make of the funny little box that rolls around Command Center whistling at the girls. He calls himself Brian and claims to be part of an Earth space mission.

At first, the sight of a Swift Support Vehicle from Earth brings joy to the Alphans, but good cheer becomes puzzlement when the pilot of the spaceship turns out to be a robot! The machine is named Brian. It re-counts the story of how its creator called it "The Brain", but the machine mispronounced it as "Brian." Brian explains that he was created to aid in the piloting of the craft by the commander of the space mission, Captain Michael. Brian, however, cannot explain how the Mother Ship and her Swift Support Vehicles ended up so far away from Earth. All he can tell them is that the ships crashed on the mysterious planet M. The seemingly friendly machine reverses its behavior and kidnaps Koenig and Helena. Because it cannot move on rough surfaces, it needs Koenig to bring the nuclear fuel cell that will extend its robotic life from the mothership stranded on the nearby planet M. The path to the mothership is littered with the dead bodies of the ship's crew. Fearing his creator would destroy him on completion of a new Brain, Brian killed the crewmen. Maya, who reached the planet with Tony, boards the Swift as a mouse in Koenig's pocket. Somehow they must confuse the robot to the point of inaction, but how can you drive a robot mad?

Voice of Brian/Capt. Michael:
BERNARD CRIBBINS

11. A B Chrysalis

(Originally Titled "The Chrysalis A B C)
Screenplay: TONY BARWICK
Director: VAL GUEST

Their mission to save Alpha from destruction has failed. The Masters will not stop the blast that would destroy the Moon. Finding themselves without sufficient fuel to return to Alpha, the trio agree to die in space.

As Alpha nears a green planet, the Moon is hit by shock waves as the satellites of the planet begin to explode. With Moonbase facing destruction in twelve hours from the next detonation, Koenig, Maya, and Carter set out to find the aliens who may be in control. On the nearest moon, they are told by a voice probe that only "the Masters" of the planet can help them. Having reached the chlorine-based world, an immense elevator brings the Eagle down into the chamber of the Masters. But the Masters have entered a period of sleep. Koenig threatens to use the Eagle's laser until two creatures, A and B,are awakened. They decide to hear Koenig's case, but arrive at opposite conclusions. C is awakened to break the tie. They refuse to stop the next explosion. Koenig turns down their offer for safety and the trio leave, but they cannot return to Alpha--all of their fuel is gone. Alpha awaits destruction.

A: INA SKRIVER
B: SARAH DOUGLAS

12. The Catacombs of the Moon

Screenplay: ANTHONY TERPILOFF
Director: ROBERT LYNN

Osgood is sure that the Moon was about to be destroyed by the fire storm. He decides to take Michelle out of the Medical Center and hide with her in the deep catacombs.

While searching beneath the Moon's surface for vital minerals, chief miner Pat Osgood is caught in an explosion. As he lies unconscious, he has a vision of the Moon erupting into flames as fire rains down from space. A brass four-poster bed appears on the lunar surface. Osgood sees his wife on the bed reaching out from the flames. In reality, however, Michelle Osgood is in Medical Center dying from a fatal heart condition. Osgood attempts to warn Alpha of the impending disaster he foresaw in his vision, but everyone believes he is losing his grip on sanity because of Michelle's condition. However, when Koenig and Fraser investigate a strange space phenomenon, they discover that a flaming plasma cloud is on direct collision course with Alpha. Osgood is determined to save Michelle from the fire storm. Wiring himself with Hypernitro, he carries her down into the catacombs of the Moon. Tony attempts to locate Osgood before Michelle dies. If Osgood sets off the Hypernitro he could destroy everyone!

Patrick Osgood: JAMES LAURENSON
Michelle Osgood: PAMELA STEPHENSON

13. Seed of Destruction

Screenplay: JOHN GOLDSMITH
Director: KEVIN CONNOR

Maya and Tony have rescued Koenig from the asteroid, but now they are being held prisoner by the evil Kalthons. Their only hope for survival is for Koenig to stop his Kalthon doppelganger, who is in control of Alpha.

Koenig investigates a glittering, jewel-like asteroid that seems to be drawing Alpha's power. Inside he sees a kaleidoscope of flashing lights and hundreds of mirrors reflecting his image. Suddenly, one of the reflections steps out of its mirror and overpowers the Commander. Exchanging clothes, the imposter returns to Alpha where he claims that the only way to stop the power loss caused by the asteroid is to destroy the mass with an energy beam. No one on the base realizes that the true purpose of the beam is to release the power of a buried seed...the heart of Kalthon. The "seed" is really the entire Kalthon world compressed to minute size. When Maya and Tony realize what the mirror-image is trying to do, they go to the asteroid to stop the alien from releasing a power that could destroy the entire universe.

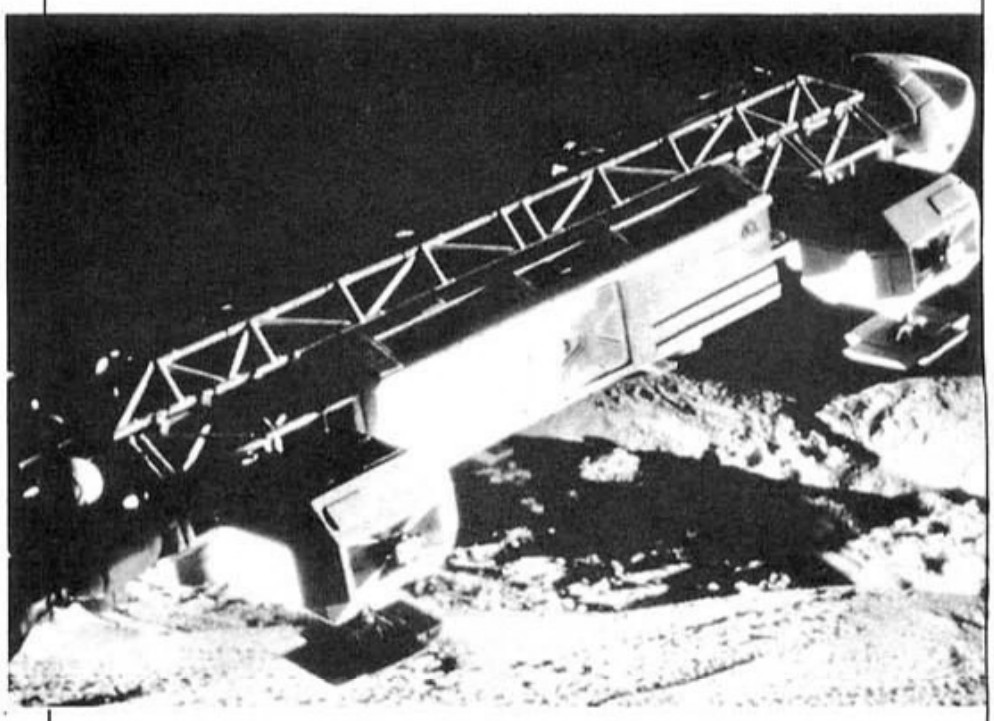
14. Beta Cloud

Screenplay: CHARLES WOODGROVE
Director: ROBERT LYNN

Barely evading the massive creature's blows, Tony leads it into the vacuum chamber. If he can trap the monster inside of the chamber, he may be able to suffocate it.

A strange cloud incapacitates most of Alpha. Commanding a skeleton crew, Tony sends Eagle 6 to investigate the cloud. The spacecraft returns without its crew. It is manned by a huge creature who begins to destroy the base. A voice from the cloud announces over the radio that the creature has been sent to take Alpha's life-support core. All attempts to stop the monster fail until Maya realizes the creature is not alive! It is a robot. Somehow she must find a way to enter the robot's body and "pull the plug" before it kills Tony.

Creature: DAVE PROWSE



15. A Matter of Balance

Screenplay: PIP and JANE BAKER
Director: CHARLES CRICHTON

Young and naive, Shermeen is the perfect target for Vindrus. He needs her to steal a portable nuclear generator to power the unit that will bring his people back.

The creatures of the planet Sunim are moving backward in anti-matter time toward their destruction. Their leader, Vindrus, tricks botanist Shermeen Williams into helping him bring his people into the matter world. As Koenig, Maya, and Fraser explore the apparently lifeless planet, Vindrus leads Shermeen into a strange temple guarded by Thaed; a huge bipedal lizard. Inside, Vindrus instructs Shermeen to bring a portable nuclear generator back to the temple to power the machine that will bring the Sunimians into the matter world. What Vindrus has not told Shermeen is that for every person transported, another must be transported into the anti-matter world. Koenig must then find a way to get Shermeen back when she is exchanged for Vindrus, who intends to use all the Alphans to return his people.

Shermeen Williams: LYNNE FREDERICK
Vindrus: STUART WILSON

16. Space Warp

Screenplay: CHARLES WOODGROVE
Director: PETER MEDAK

Helena and Ben attempt to restrain the fever-wracked Maya as Alpha passes through a space warp. While off the Moon on an exploratory flight, Koenig and Tony are left 5 light years behind.

While Tony and Koenig are away from Moonbase investigating a derelict spacecraft, Alpha goes through a warp in space and is hurled 5 light-years across the galaxy. Eagle 1's only hope is to find the warp through which Alpha has passed. But back on Alpha, Maya has contracted an illness Helena cannot cure. In her delirium she attempts to reach an Eagle so she can return to Psychon to save her father. She changes from creature to creature, unstoppable by laser guns and anaesthetics. As Maya's Eagle lifts off from its underground hangar, it bursts into flames and she is rescued just barely in time. While Koenig and Tony explore the derelict in the hope that they may find some clue to the position of the warp,Maya turns into a powerful monster and starts tearing the base apart.

17. Bringers of Wonder, Pt. 1

Screenplay: TERENCE FEELY
Director: TOM CLEGG

The aliens have taken over the minds of the Alphans who believe a rescue party from Earth has arrived. Koenig is the only one to see them in their true form.

Koenig appears to have gone mad as he crashes his Eagle near the Nuclear Waste Domes on the Moon. While he's under medical observation, Helena hooks him up to a Brain Impulse Machine in the hope of curing him. Suddenly, from out of the void, comes a Superswift bearing the friends and relatives of the Alphans. They have come to rescue the castaways. When Koenig awakens, Helena informs him of the good news and he races to Command Center. But his eyes see neither friends nor relatives. The center is filled with hideous monsters and on the launch pad he does not see a Superswift, but a spacecraft of unknown design. Thinking the brain machine has failed, Helena sedates the now screaming Koenig. Guido Verdeschi then announces that Alan will fly the pilot ship back to Earth with two members of the nuclear monitoring team. Meanwhile, one of the creatures has entered Medical Center intent upon killing the Commander.

Guido Verdeschi: STUART DAMON
Dr. Shaw: PATRICK WESTWOOD

18. Bringers of Wonder, Pt. 2

Screenplay: TERENCE FEELY
Director: TOM CLEGG

Alan has no idea that he is actually cutting into a nuclear waste dome.Needing the raw energy of a fusion explosion to insure their own survival, the aliens are preventing Carter from seeing what is really happening.

Helena and Maya enter Medical Center in time to find Helena's old teacher, Dr. Shaw, near Koenig. He leaves as Koenig awakens. Koenig tries to convince the pair that he is sane. At the same time, Alan and the two men from the monitoring team believe that they have left Alpha and are flying to Earth in the pilot ship. In reality they are aboard an Eagle heading toward the Nuclear Waste Domes. Koenig convinces Maya to try the Brain Machine and soon she sees the visitors as they really are. Transforming herself into one of them, she learns that the monsters need the raw energy of the nuclear waste to survive; they plan to detonate all the domes. As Carter and the two men approach the domes with the fusion rod that will explode the nuclear pile, Koenig races to the area in a Moon buggy. All hope lies with Helena-- She must find a way to prevent the weakened monsters from tapping Alpha's energy. If it can be done, they will be helpless to stop Koenig from interfering.

Guido Verdeschi: STUART DAMON
Dr. Shaw: PATRICK WESTWOOD

19. Dorzak

Screenplay: PIP and JANE BAKER
Director: CHARLES CRICHTON

Clea fails to realize that although she loves Dorzak, he has every intention of killing Sahala, Yesta, and herself so that he can escape from the Crotons.

Maya is delighted to learn that she is not the only survivor of Psychon. Aboard a Croton spacecraft is Dorzak, whom the aliens claim is responsible for killing one of the crew and badly injuring another. The alien leader, Sahala, is transporting Dorzak to a place of exile for heinous crimes committed against her people. Maya refuses to believe Sahala's story and attempts to board the craft. Meanwhile, Helena, in an attempt to save the life of the crewmember Yesta, discovers a capsule in the woman's head that blocks strong telepathic waves. Aboard the Croton ship, Maya has transformed herself into Sahala in order to learn the truth from Dorzak. At first Dorzak is fooled and Maya learns that he is indeed as evil as Sahala had said. But Dorzak unmasks Maya and uses his strong telepathic powers to learn the secret of her transformations.

Dorzak: LEE MONTAGUE
Sahala: JILL TOWNSEND

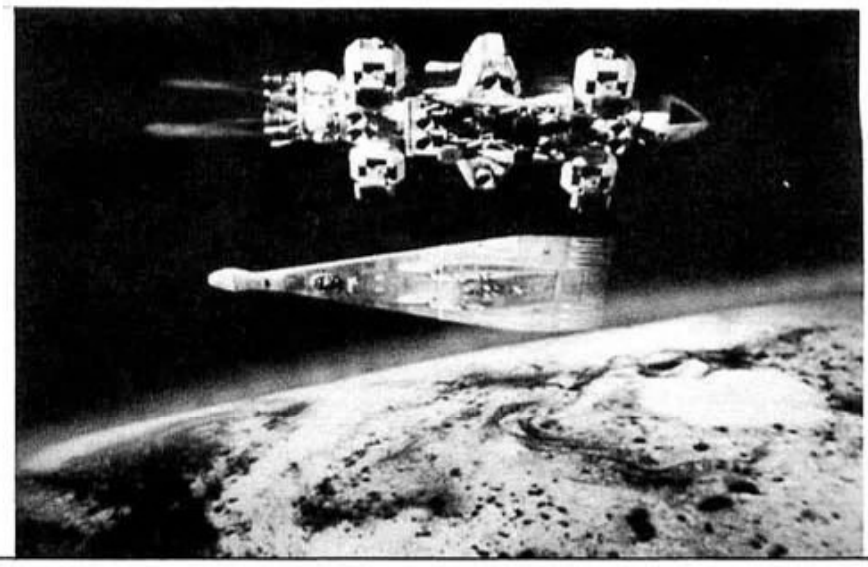
20. The Lambda Factor

Screenplay: TERRENCE DICKS
Director:CHARLES CRICHTON

Tony knows that Carolyn Powell had something to do with Sally Martin's unusual death. He is suspicious of a new experimental machine which may have been used to kill Sally.

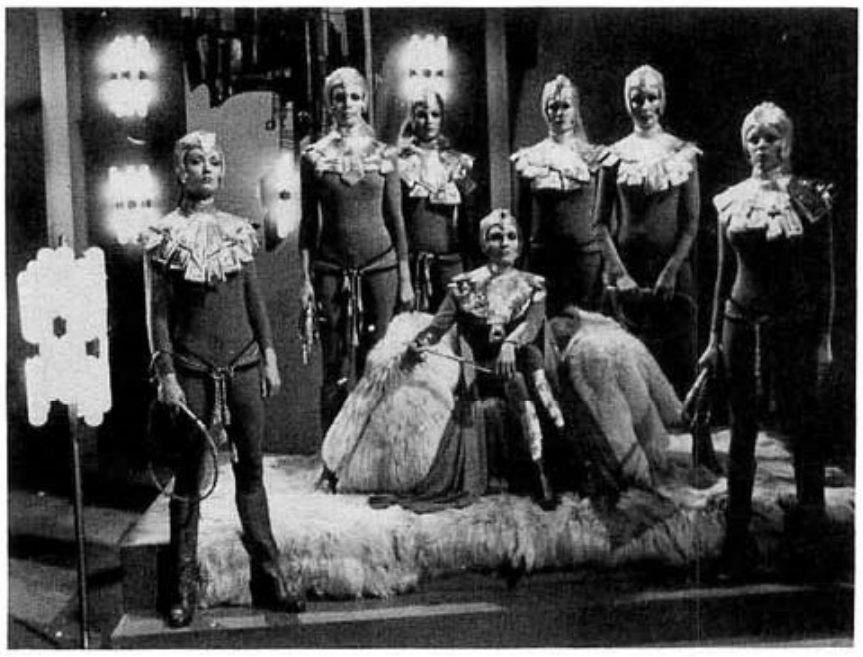
Medical technician Sally Martin is killed in a violent and bizarre manner shortly before a strange cloud appears over Alpha. As Tony investigates, he finds all evidence pointing toward Carolyn Powell, who stole Sally's boyfriend Mark Sanders. But it seems Carolyn could not have killed Sally by any physical means. Meanwhile, Koenig begins to suffer from nightmares. He sees the two old friends whom he had been forced to abandon on a Venus Expedition after they had contracted a fatal disease. Koenig is deeply disturbed by the unwanted dream. Tony and Maya soon discover that Carolyn is using a telepathic power provided by a mysterious cloud to kill off her enemies. Only Koenig has the ESP power to save Alpha, and Helena finds him on the verge of madness from his visions.

Carolyn Powell: DEBORAH FALLANDER
Mark Sanders: JESS CONRAD



21. Devil's Planet

(Originally Titled "Devil's Moon")
Screenplay: MICHAEL WINDER
Director: TOM CLEGG



Elizia and her guards control the penal satellite Entra. Knowing that their home world, Ellna is dead, Elizia keeps the fact to herself and remains in command.

A distress call from a nearby planet lures Koenig and Medical Rescue Officer Blake Maine to a city covered with hundreds of dead bodies. They watch in horror as a man appears in a teleportation booth, steps out, and dies only a few feet away. The duo leave the planet in haste, but their Eagle malfunctions and they crash on a nearby moon. As they explore the moon, Blake is killed by three alien, whip carrying cat-women. Koenig is captured and put into prison by Elizia, warden of Entra, the prison-satellite of the planet Ellna. Koenig learns that Elizia is mad with power and keeps her prisoners and staff in control by letting them believe that all is well below on their home planet, Ellna. For refusing her advances, Elizia makes Koenig the object of "The Hunt." It is now a life or death struggle for the Commander. Can he prove to the others the truth of Elizia's deception? And can he survive the hunt?

Elizia: HILDEGARD NEIL

22. Seance Spectre

(Originally Titled "The Mutiny")
Screenplay: DONALD JAMES
Director: PETER MADEK

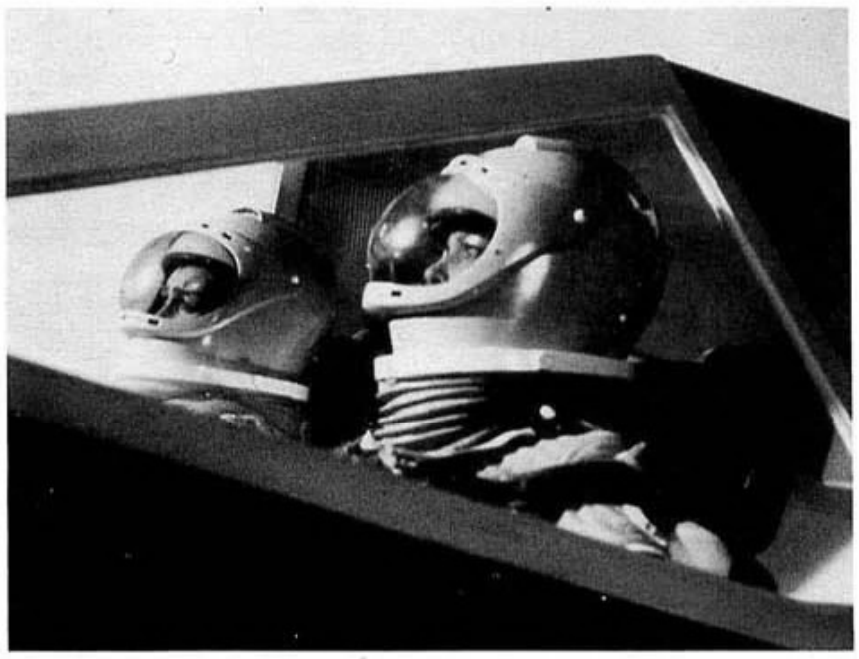
Alpha's only hope of avoiding collision with the planet is to set off the nuclear waste areas once more but, obsessed with his mad visions, Sandor attempts to stop Koenig.

Alpha is on a collision course with a planet shrouded by a vast weather belt. This might be the new home that they're looking for and several Alphans want to abandon Moonbase immediately. But Koenig decides against it. Sanderson and his team of explorers accuse Koenig of faking the information about the planet to prevent colonization, believing that Koenig is afraid of giving up his command. Sanderson attempts to overthrow Koenig's rule, but fails. Exploring the weather belt, Maya and Koenig crash on the planet and find it to be a wasteland, not the paradise Sanderson claimed it to be. Koenig orders the evacuation of Alpha because he plans to detonate the remaining nuclear waste dumps in an attempt to avoid the collision. However, Sanderson is waiting for Koenig in the rocks surrounding the dump site. Armed with a heavy duty laser rifle, he plans to stop Koenig at all cost.

Sanderson: KEN HUTCHINSON
Eva: CAROLYN SEYMOUR

23. Immunity Syndrome

Screenplay: JOHNNY BYRNE
Director: BOB BROOKS



Helena and Maya's only hope of reaching Tony with medical aid is to fly a plastic glider down to the planet, but can they land without power?

On an Earth-type planet, engineer Joe Lustig is dead and Tony lies half-dead. The cause is unknown. As Alan and Koenig prepare to bring Tony back to Alpha, the atmosphere on board their Eagle changes and the metal begins to disintegrate. The ship crashes. The crew is safe but Tony is farther away than ever from badly needed medical attention. On Alpha, Maya realizes why the shipboard atmosphere changed and she and Helena plan to use a space glider made of plastic to reach the marooned Alphans. Meanwhile, Koenig discovers a geodesic structure inside of which he finds a holographic recording made by the last man of an earlier alien landing party. The image tells of a creature who is trying to communicate, but who is mistakenly killing those it wishes to talk to. It is a race against time as Koenig prepares to face the creature and Maya and Helena struggle to land their space glider.

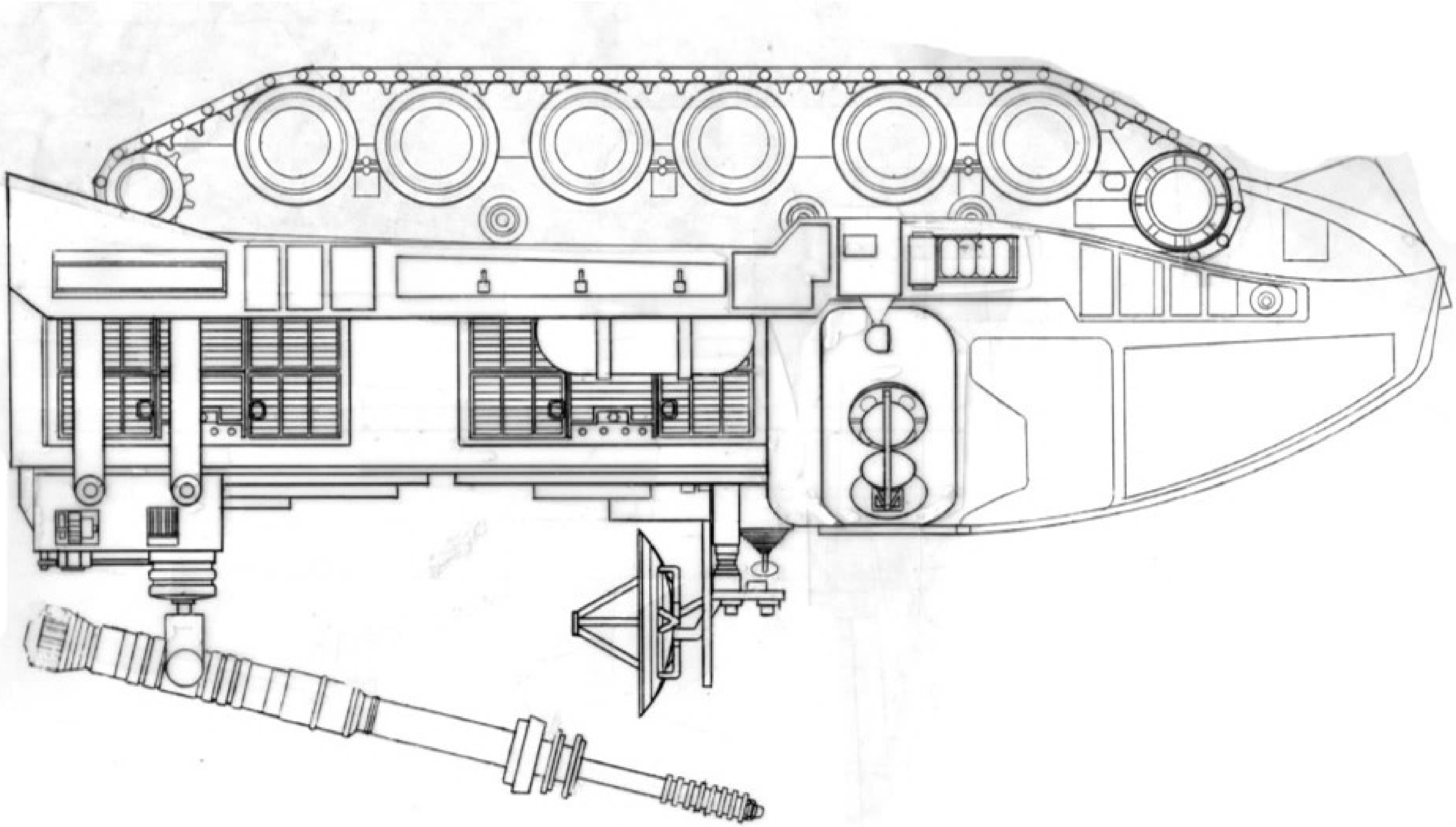
24. The Dorcons

(Originally Titled "The Return of the Dorcons")
Screenplay: JOHNNY BYRNE
Director: TOM CLEGG

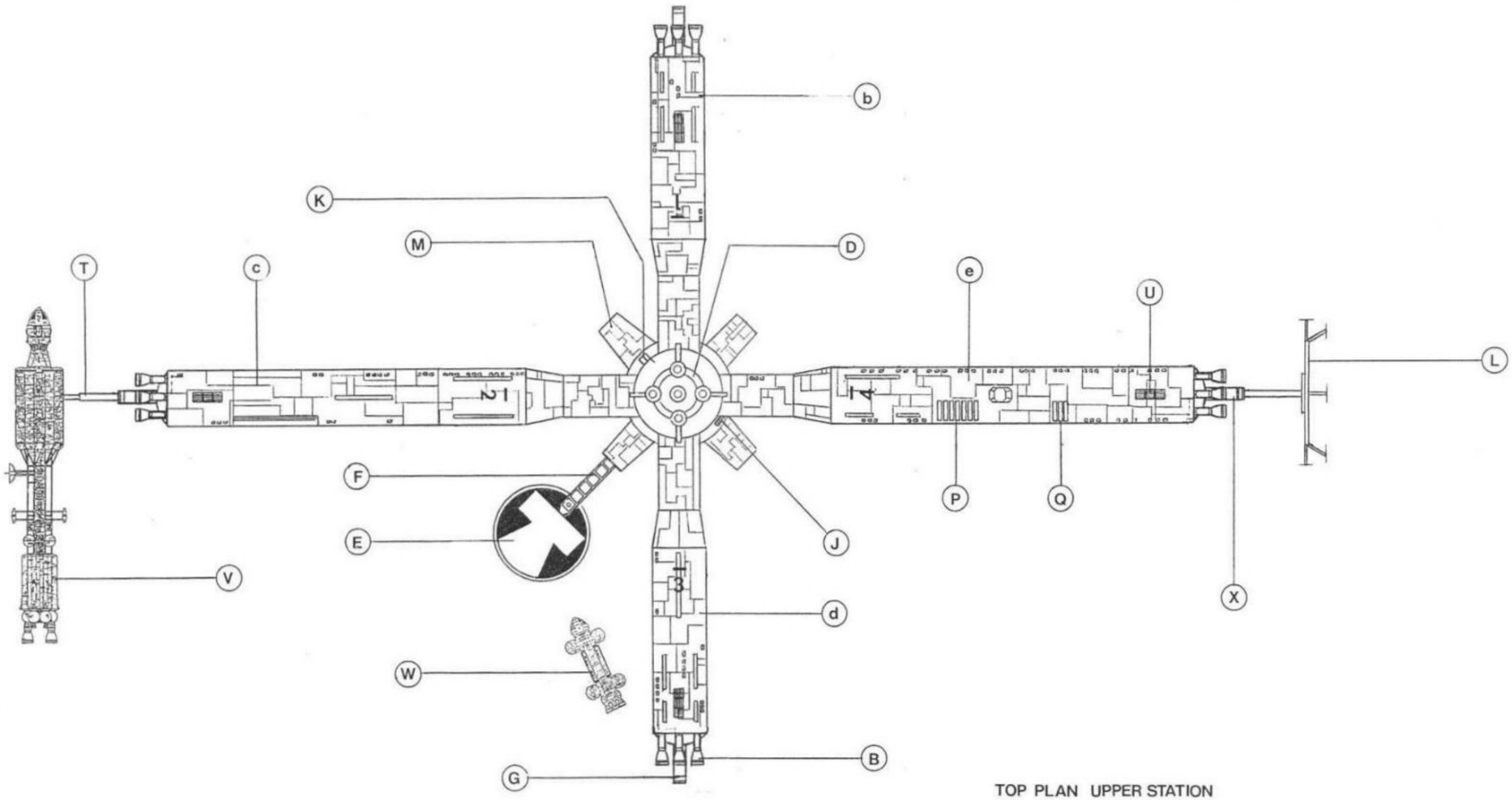
The light beam from the alien craft reaches down into Command Center. It touches each Alphan before finding Maya. Suddenly the intensity changes and Maya feels incredible pain.

A beam of light flashes from an alien spaceprobe and Maya falls to the floor screaming in agony. The Dorcons have arrived and their target is the Psychon princess. The huge Dorcon battleship hangs over Alpha demanding Maya. They need a Psychon brain stem to give immortality to their leader and, since Maya is the last of her race, they will stop at nothing to obtain it. Badly damaged, Moonbase is forced to give up its alien friend. Maya is taken aboard by transfer beam--but so is Koenig! He rescues Maya from alien surgery, but they are still trapped aboard the warship. Aid comes in the form of the treacherous Malic. He aids Koenig in freeing Maya because if the leader dies, he will rule the Dorcons. But Malic does not intend to wait for the leader to die a natural death. He plans to blame his murder of the leader on the Alphans - thus insuring Maya's death as well.

Consul Varda: ANN FIRBANK

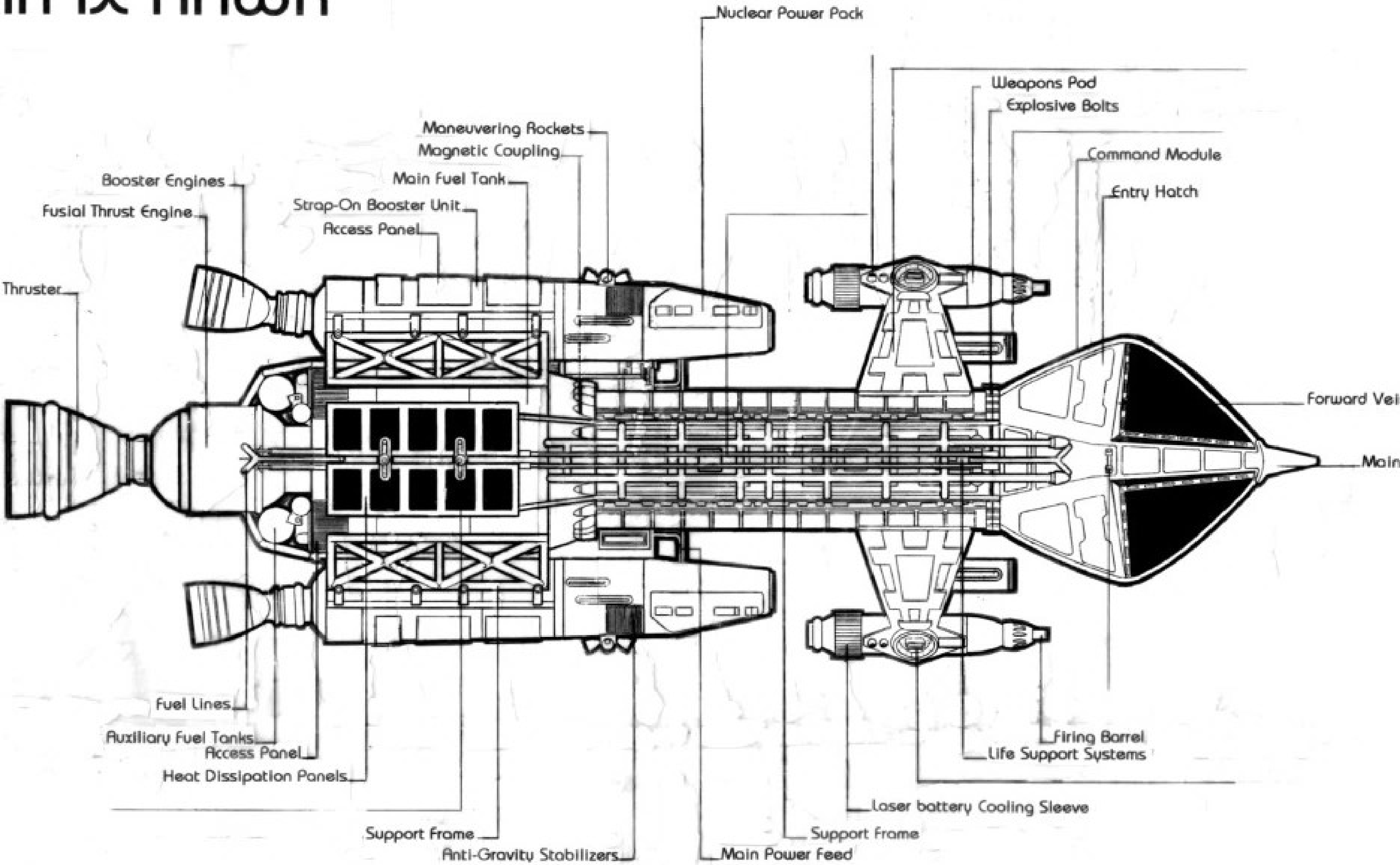


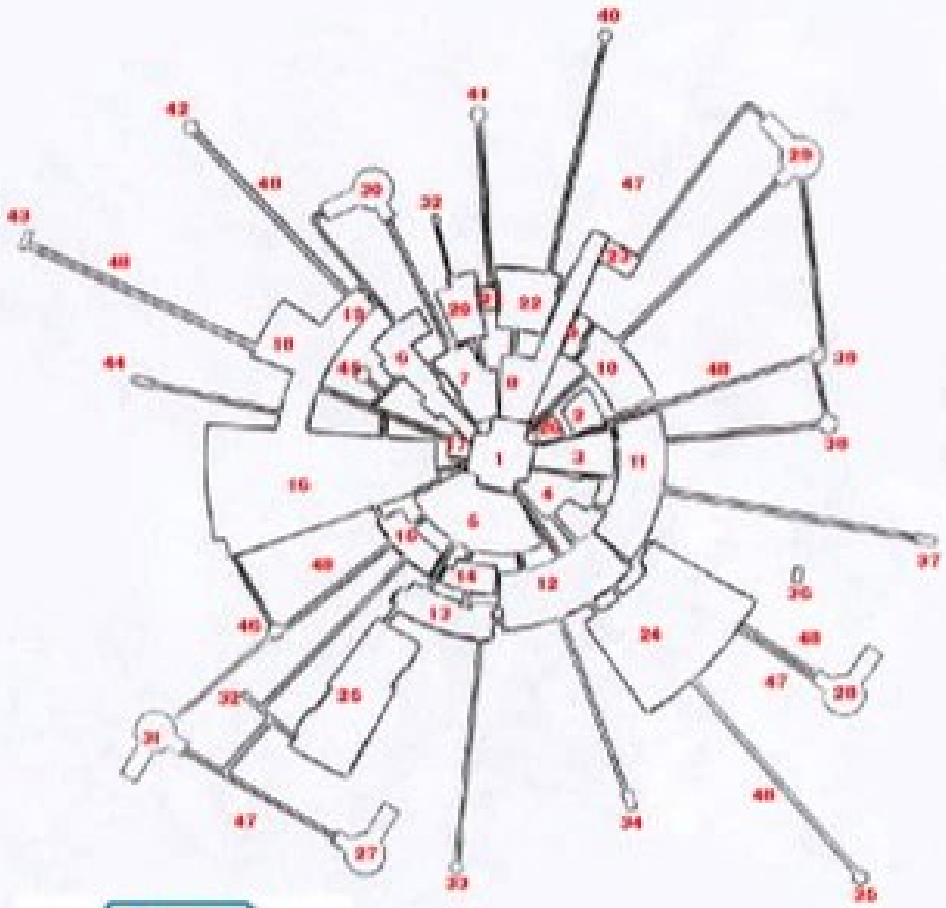
CENTAUR SPACESTATION

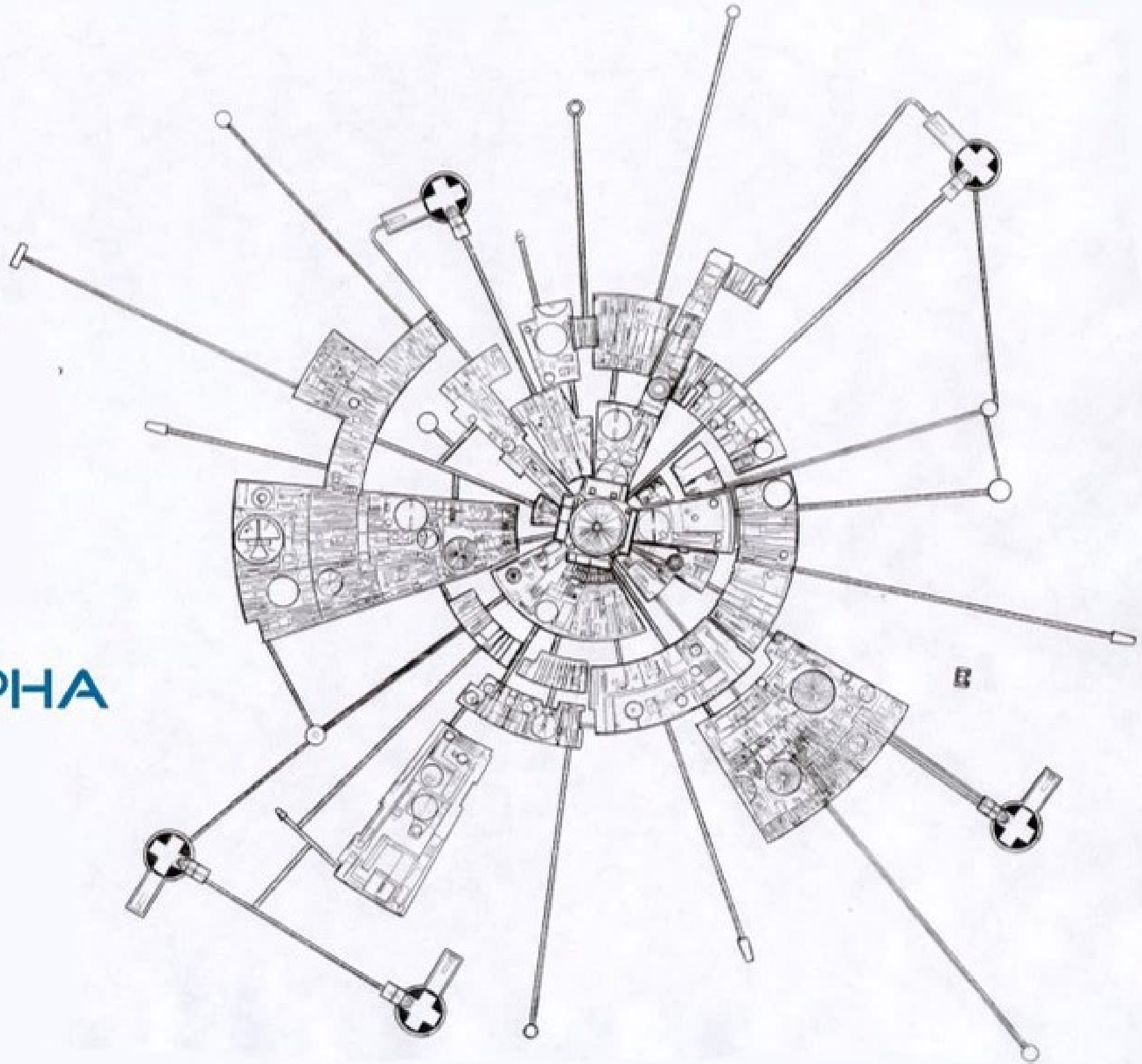


TOP PLAN UPPER STATION

MARK IX HAWK


Nuclear Power Pack
Weapons Pod
Explosive Bolts
Maneuvering Rockets
Magnetic Coupling
Command Module
Booster Engines
Main Fuel Tank
Entry Hatch
Fusial Thrust Engine
Strap-On Booster Unit
Access Panel
Main Engine Thruster
Forward Vei
Main
Fuel Lines
Auxiliary Fuel Tanks
Access Panel
Heat Dissipation Panels
Firing Barrel
Life Support Systems
Laser battery Cooling Sleeve
Support Frame
Support Frame
Anti-Gravity Stabilizers
Main Power Feed





ALPHA
MOONBASE

MOONBASE ALPHA